

# 添付資料

## 【線源情報】

### 線源証明書

# NOMINAL SOURCE CERTIFICATE

**Customer:** Daiichi Clarity Company Limited  
**Purchase Order No.:** CA619  
**Model No.:** N-252  
**Catalog No.:** CF230140100U  
**Capsule Type:** A3014  
**Active Diameter/Mass:** 1.6 mm ( 0.062 ")  
**Cover:** Stainless steel  
**Backing:** Stainless steel

**Certificate Date:** 04-Oct-10  
**Quantity:** 1  
**SS&DR No.:** CA406S102S  
**ISO Classification:** ISO/99/C66535  
**Special Form No.:** USA/0351/S Rev 6  
**Nuclide Half Life:** 2.645 ± 0.008 years  
**Recommended Working Life:** 15 years

Nuclide	Source No.	Activity	Neutron Output [neutrons/second]	Reference Date
Cf-252	H4-694	100 μCi/3.7 MBq	4.24E+05	15-Oct-10

**Impurities:** See Technical Data sheet.

**Leak Test Information is on Reverse Side:**

**Remarks:**

- This document uses the numerical convention where 1.000 = 1 and 1,000 = 10<sup>3</sup>.
- Nuclear data was taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.

  5 Oct 10  
Name Signature Date

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## Cf-252 Technical data

The Cf-252 used to prepare your order was taken from Eckert & Ziegler Isotope Products Laboratories Lot #5343201 and it had the following composition as of 20 Sep 10.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	9.013	0.0886
Cf-250	11.904	3.1129
Cf-251	3.956	0.0151
Cf-252	75.126	96.7830
Cf-254	0.00002	0.00044

The Cm-248 decay product was last separated on 17 Sep 09

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler  
Isotope Products Technical Service: 661-309-1010

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1800 North Keystone Street Burbank, California 91504



## Cf-252 Technical data

The Cf-252 used to prepare your order was taken from Eckert & Ziegler Isotope Products Laboratories Lot #5688701 and it had the following composition as of 10 Nov 11.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	11.256	0.103
Cf-250	14.028	3.513
Cf-251	4.94	0.0210
Cf-252	69.769	95.946
Cf-254	0.000002	0.00001

The Cm-248 decay product was last separated on 24 Jun 10

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler  
Isotope Products Technical Service: 661-309-1010

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**Eckert & Ziegler**

Isotope Products

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# NOMINAL SOURCE CERTIFICATE

**Customer:** Daiichi Clarity Company Ltd.

**Purchase Order No.:** CTD07

**Model No.:** N-252

**Catalog No.:** CF230140100U

**Capsule Type:** A3014-01

**Active Diameter:** 0.062" (1.57 mm)

**Cover:** Stainless Steel

**Backing:** Stainless Steel

**Certificate Date:** 26-Aug-13

**Quantity:** 1

**SS&DR No.:** CA0406S102S

**ISO/ANSI Classification:** ANSI 77C66535

**Special Form No.:** USA/0351/S-96 Rev 8

**Nuclide Half Life:** 2.645 ± 0.008 years

**Recommended Working Life:** 15 years

Nuclide	Source No.	Activity	Radiation Output	Reference Date
Cf-252	K7-436	100 µCi (3.7 MBq)	3.79 E+05 n/s	1-Oct-13

**Impurities:** See Technical Data sheet.

**Leak Test Information is on Reverse Side:**

- Remarks:**
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  - Nuclear data were taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
  - ANSI classification is equivalent to ISO2919.

[Redacted Name]     
 [Redacted Signature]     
 4 Sep 13  
**Name**                                      **Signature**                                      **Date**

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### Cf-252 Technical data

The Cf-252 used to prepare your order of source with serial number K7-436 was taken from Eckert & Ziegler Isotope Products Laboratories Lot #5769305 and it had the following composition as of 22 Aug 13.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	15.438	0.1844
Cf-250	17.567	5.5805
Cf-251	6.801	0.0315
Cf-252	60.194	94.2036

The Cm-248 decay product was last separated on 26 Sep 11

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler Isotope Products Technical Service: 661-309-1010



4 Sep 13  
name, title signature date

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# NOMINAL SOURCE CERTIFICATE

**Customer:** Daiichi Clarity Company Ltd.  
**Purchase Order No.:** DC420  
**Model No.:** N-252  
**Catalog No.:** CF230140090U  
**Capsule Type:** A3014-01  
**Active Diameter:** 0.062" (1.57 mm)  
**Cover:** Stainless Steel  
**Backing:** Stainless Steel

**Certificate Date:** 2017-12-13  
**Quantity:** 1  
**SS&DR No.:** CA0406S102S  
**ISO/ANSI Classification:** ANSI 77C66535  
**Special Form No.:** USA/0351/S-96 Rev 9  
**Nuclide Half Life:** 2.645 ± 0.008 years  
**Recommended Working Life:** 15 years

Nuclide	Source No.	Activity	Radiation Output	Reference Date
Cf-252	Q2-334	90 µCi (3.33 MBq)	3.82 E+05 n/s	2018-02-01

**Impurities:** See Technical Data sheet.

**Leak Test Information is on Reverse Side:**

- Remarks:**
- This document uses the numerical convention where 1.000 = 1 and 1,000 = 10<sup>3</sup>.
  - This document uses the date convention YYYY-MM-DD in accordance with ISO 8601.
  - Nuclear data were taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
  - ANSI classification is equivalent to ISO2919.



2017-12-13  
**Name**                      **Signature**                      **Date**

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## Cf-252 Technical data

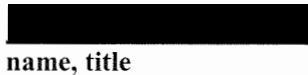
The Cf-252 used to prepare your order of source Q2-334 was taken from Eckert & Ziegler Isotope Products Laboratories Lot #5873415 and it had the following composition as of 2017-10-04.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	20.977	0.3514
Cf-250	28.384	12.645
Cf-251	10.981	0.0712
Cf-252	39.658	86.932

The Cm-248 decay product was last separated on 2014-08-22

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler Isotope Products Technical Service: 661-309-1010



 2017-12-13  
 name, title date

# NOMINAL SOURCE CERTIFICATE

**Customer:** Daiichi Clarity Co., Ltd.  
**Purchase Order No.:** DN125  
**Model No.:** N-252  
**Catalog No.:** CF230140100U  
**Capsule Type:** A3014-01  
**Active Diameter:** 0.062" (1.6 mm)  
**Cover:** Stainless Steel  
**Backing:** Stainless Steel

**Certificate Date:** 2020-09-25  
**Quantity:** 1  
**SS&DR No.:** CA0406S102S  
**ISO/ANSI Classification:** ANSI 77C66535  
**Special Form No.:** USA/0351/S-96 Rev 10  
**Nuclide Half Life:** 2.645 ± 0.008 years  
**Recommended Working Life:** 15 years

Nuclide	Source No.	Activity	Radiation Output	Reference Date
Cf-252	T1-349	3.7 MBq (100 µCi)	3.92 E+05 n/s	2020-10-01

**Impurities:** See Technical Data Sheet

**Leak Test Information is on Reverse Side:**

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  - ANSI classification is equivalent to ISO2919.



 2020-09-25  
**Name**                      **Signature**                      **Date**

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## Cf-252 Technical Data

The Cf-252 used to prepare your order of source T1-349 was taken from Eckert & Ziegler Isotope Products Laboratories Lot #6050711. It had the following composition as of 2020-08-19.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	14.572	0.1723
Cf-250	17.660	5.553
Cf-251	6.859	0.0314
Cf-252	60.910	94.243

The Cm-248 decay product was last separated on 2018-04-19.

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler  
Isotope Products Technical Service: 661-309-1010



2020-9-25  
name, title  date

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## 【AFAS 性能確認試験】

### (1) 2.1 長期管理限界の妥当性確認

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: BWR TOP
Detector id: AFASB-Top
Electronics id: JSR-15
Measurement date: 22.04.12 13:41:06
Results file name: 24CN4106.NOR
Inspection number:
Measurement option: Normalization
Data source: Shift register
QC tests: On
Accidentals method: Measured
Inspector name:
Passive comment:

Cf252 measured singles rate: 219.7359 +- 0.5641
Singles rate expected/measured: 0.9940 +- 0.0398
New normalization constant: 1.0000 +- 0.0000
Normalization test Passed.

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 5 columns: Cycle, Singles, Doubles, Triples, QC Tests. Rows 1-10 showing cycle rate data.

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Passive singles bkgrnd: 0.924 +- 0.056
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Results

Singles: 219.736 +- 0.564
Doubles: 2.512 +- 0.077
Triples: 0.038 +- 0.014
Quads: 0.001 +- 0.002
Quads/Triples: -0.012 +- 0.020
Scaler 1: 0.000 +- 0.000
Scaler 2: 0.000 +- 0.000

Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000
Cf252 expected singles rate: 218.4079 +- 0.3588

(1)

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: COLLAR
Detector id: AFASB
Electronics id: JSR-15
Measurement date: 22.04.12 14:05:44
Results file name: 24C00544.NOR
Inspection number:
Measurement option: Normalization
Data source: Shift register
QC tests: On
Accidentals method: Measured
Inspector name:
Passive comment:

Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000
Cf252 expected doubles rate: 883.3052 +- 1.1459
Cf252 measured doubles rate: 894.2778 +- 3.0580
Doubles rate expected/measured: 0.9877 +- 0.0036
New normalization constant: 1.0000 +- 0.0000
Normalization test Failed.
Measured percent precision: 0.34
Required percent precision: 0.30
Repeat measurement for at least: 860 seconds

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 5 columns: Cycle, Singles, Doubles, Triples, QC Tests. Rows 1-10 showing cycle rate data.

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Passive singles bkgrnd: 7.487 +- 0.136
Passive doubles bkgrnd: 0.013 +- 0.004
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive messages

Normalization test failed

Results

Singles: 4169.344 +- 3.715
Doubles: 894.278 +- 3.058
Triples: 109.699 +- 1.525
Quads: 9.070 +- 1.251
Quads/Triples: 0.082 +- 0.011
Scaler 1: 0.000 +- 0.000
Scaler 2: 0.000 +- 0.000

(1)

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: BWR BOTTOM
Detector id: AFASB-Bot
Electronics id: JSR-15
Measurement date: 22.04.12 14:18:02
Results file name: 24C01802.NOR
Inspection number:
Measurement option: Normalization
Data source: Shift register
QC tests: On
Accidentals method: Measured
Inspector name:
Passive comment:

Cf252 measured singles rate: 226.8533 +- 0.5760
Singles rate expected/measured: 1.0020 +- 0.0402
New normalization constant: 1.0000 +- 0.0000
Normalization test Passed.

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 5 columns: Cycle, Singles, Doubles, Triples, QC Tests. Rows 1-10 showing cycle rate data.

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0060
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Passive singles bkgrnd: 0.885 +- 0.028
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Results

Singles: 226.853 +- 0.576
Doubles: 2.448 +- 0.106
Triples: 0.034 +- 0.015
Quads: -0.001 +- 0.000
Quads/Triples: -0.018 +- 0.012
Scaler 1: 0.000 +- 0.000
Scaler 2: 0.000 +- 0.000

Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000
Cf252 expected singles rate: 227.3131 +- 0.4047

(1)

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: PWR TOP
Detector id: AFASP-Top
Electronics id: JSR-15
Measurement date: 22.04.12 14:30:58
Results file name: 24C03058.NOR
Inspection number:
Measurement option: Normalization
Data source: Shift register
QC tests: On
Accidentals method: Measured
Inspector name:
Passive comment:

Cf252 measured singles rate: 195.0700 +- 0.5466
Singles rate expected/measured: 1.0029 +- 0.0402
New normalization constant: 1.0000 +- 0.0000
Normalization test Passed.

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 5 columns: Cycle, Singles, Doubles, Triples, QC Tests. Rows 1-10 showing cycle rate data.

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0126
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Passive singles bkgrnd: 1.633 +- 0.050
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Results

Singles: 195.070 +- 0.547
Doubles: 1.813 +- 0.090
Triples: 0.032 +- 0.012
Quads: 0.001 +- 0.002
Quads/Triples: 0.003 +- 0.016
Scaler 1: 0.000 +- 0.000
Scaler 2: 0.000 +- 0.000

Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000
Cf252 expected singles rate: 195.6399 +- 0.4374

(1)

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: COLLAR
Detector id: AFASP
Electronics id: JSR-15
Measurement date: 22.04.12 14:43:02
Results file name: 24C04302.NOR
Inspection number:
Measurement option: Normalization
Data source: Shift register
QC tests: On
Accidentals method: Measured
Inspector name:
Passive comment:

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.6599
Triples gate fraction: 0.4260

Passive singles bkgrnd: 10.505 +- 0.168
Passive doubles bkgrnd: 0.017 +- 0.005
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive messages

Normalization test failed

Results

Singles: 3406.708 +- 3.769
Doubles: 588.914 +- 1.914
Triples: 57.952 +- 0.937
Quads: 3.186 +- 0.664
Quads/Triples: 0.055 +- 0.011
Scaler 1: 0.000 +- 0.000
Scaler 2: 0.000 +- 0.000

(1)

Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000
Cf252 expected doubles rate: 579.9603 +- 0.8800
Cf252 measured doubles rate: 588.9139 +- 1.9141
Doubles rate expected/measured: 0.9848 +- 0.0035
New normalization constant: 1.0000 +- 0.0000
Normalization test Failed.
Measured percent precision: 0.33
Required percent precision: 0.30
Repeat measurement for at least: 780 seconds

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 5 columns: Cycle, Singles, Doubles, Triples, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: PWR BOTTOM
Detector id: AFASP-Bot
Electronics id: JSR-15
Measurement date: 22.04.12 14:54:49
Results file name: 24C05449.NOR
Inspection number:
Measurement option: Normalization
Data source: Shift register
QC tests: On
Accidentals method: Measured
Inspector name:
Passive comment:

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Passive singles bkgrnd: 1.188 +- 0.040
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Results

Singles: 209.917 +- 0.290
Doubles: 2.072 +- 0.115
Triples: 0.012 +- 0.009
Quads: 0.001 +- 0.002
Quads/Triples: 0.080 +- 0.086
Scaler 1: 0.000 +- 0.000
Scaler 2: 0.000 +- 0.000

Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000
Cf252 expected singles rate: 209.6748 +- 0.3449

(1)

Cf252 measured singles rate: 209.9167 +- 0.2905
Singles rate expected/measured: 0.9988 +- 0.0400
New normalization constant: 1.0000 +- 0.0000
Normalization test Passed.

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 5 columns: Cycle, Singles, Doubles, Triples, QC Tests. Rows 1-10 showing cycle rate data.

(2)



INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.05.12 09:34:14  
 Results file name: 25CJ3414.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.05.12  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.05.12

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 117.927 +- 0.288  
 Doubles: 0.655 +- 0.064  
 Triples: 0.000 +- 0.000  
 Scaler 1: 215.817 +- 0.685  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	7040	89	47	12927	0	Pass
2	7106	88	64	12885	0	Pass
3	7093	99	47	13108	0	Pass
4	7015	81	57	12955	0	Pass
5	7077	80	58	13124	0	Pass
6	7179	104	49	12973	0	Pass
7	7036	95	51	12917	0	Pass
8	6996	93	55	13080	0	Pass
9	7097	96	53	12733	0	Pass
10	7117	105	56	12788	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	117.333	0.700	0.000	0.000	Pass
2	118.433	0.400	0.000	0.000	Pass
3	118.217	0.867	0.000	0.000	Pass
4	116.917	0.400	0.000	0.000	Pass
5	117.950	0.367	0.000	0.000	Pass
6	119.650	0.917	0.000	0.000	Pass
7	117.267	0.733	0.000	0.000	Pass
8	116.600	0.633	0.000	0.000	Pass
9	118.283	0.717	0.000	0.000	Pass
10	118.617	0.817	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.05.12 09:50:18  
 Results file name: 25CJ5018.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.05.12  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.05.12

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 4096.275 +- 1.882  
 Doubles: 873.616 +- 3.475  
 Triples: 0.000 +- 0.000  
 Scaler 1: 13.797 +- 0.084  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	245983	117595	64548	829	0	Pass
2	245634	117646	64325	823	0	Pass
3	245509	116703	63811	837	0	Pass
4	245063	116107	64073	815	0	Pass
5	245849	117213	64944	826	0	Pass
6	245869	117058	64776	839	0	Pass
7	246100	116346	64882	847	0	Pass
8	245228	115916	64630	811	0	Pass
9	245194	116553	64635	801	0	Pass
10	245721	116556	64276	850	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4102.417	886.448	0.000	0.000	Pass
2	4096.592	891.023	0.000	0.000	Pass
3	4094.506	883.853	0.000	0.000	Pass
4	4087.063	869.511	0.000	0.000	Pass
5	4100.180	873.446	0.000	0.000	Pass
6	4100.514	873.663	0.000	0.000	Pass
7	4104.369	859.996	0.000	0.000	Pass
8	4089.817	857.014	0.000	0.000	Pass
9	4089.249	867.574	0.000	0.000	Pass
10	4098.044	873.628	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.05.12 11:06:35
Results file name: 25CL0635.VER
Inspection number:
Item id: BWR BF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: Off
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 22.05.12
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 22.05.12

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0060
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000
Number passive cycles: 10
Count time (sec): 60

Passive error messages
No known alpha calibration

Results
Singles: 223.172 +- 0.614
Doubles: 2.468 +- 0.088
Triples: 0.000 +- 0.000
Scaler 1: 5.515 +- 0.083
Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.05.12 10:24:24
Results file name: 25CK2424.VER
Inspection number:
Item id: PWR TF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 22.05.12
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 22.05.12

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0126
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000
Number passive cycles: 10
Count time (sec): 60

Passive error messages
No known alpha calibration

Results
Singles: 3.615 +- 0.053
Doubles: -0.002 +- 0.002
Triples: 0.000 +- 0.000
Scaler 1: 193.948 +- 0.609
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing raw cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.05.12 10:37:02
Results file name: 25CK3702.VER
Inspection number:
Item id: PWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 22.05.12
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 22.05.12

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 3349.835 +- 3.339
Doubles: 569.634 +- 1.859
Triples: 0.000 +- 0.000
Scaler 1: 27.953 +- 0.184
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.05.12 10:52:06
Results file name: 25CK5206.VER
Inspection number:
Item id: PWR BF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 22.05.12
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 22.05.12

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 280.277 +- 0.659
Doubles: 3.768 +- 0.080
Triples: 0.000 +- 0.000
Scaler 1: 206.960 +- 0.291
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.06.01 09:40:34  
 Results file name: 261J4034.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.06.01  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.06.01

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 116.358 +- 0.635  
 Doubles: 0.558 +- 0.054  
 Triples: 0.000 +- 0.000  
 Scaler 1: 211.663 +- 0.452  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6809	78	42	12738	0	Pass
2	7055	92	56	12732	0	Pass
3	7133	89	57	12506	0	Pass
4	6981	82	61	12671	0	Pass
5	6996	75	55	12790	0	Pass
6	6880	100	64	12736	0	Pass
7	7202	86	57	12741	0	Pass
8	6921	103	46	12676	0	Pass
9	6889	82	48	12786	0	Pass
10	6949	88	54	12622	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	113.483	0.600	0.000	0.000	Pass
2	117.583	0.600	0.000	0.000	Pass
3	118.883	0.533	0.000	0.000	Pass
4	116.350	0.350	0.000	0.000	Pass
5	116.600	0.333	0.000	0.000	Pass
6	114.667	0.600	0.000	0.000	Pass
7	120.033	0.483	0.000	0.000	Pass
8	115.350	0.950	0.000	0.000	Pass
9	114.817	0.567	0.000	0.000	Pass
10	115.817	0.567	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.06.01 09:57:38  
 Results file name: 261J5738.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.06.01  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.06.01

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 4039.431 +- 3.326  
 Doubles: 861.838 +- 2.175  
 Triples: 0.000 +- 0.000  
 Scaler 1: 13.688 +- 0.113  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	242651	114210	63228	811	0	Pass
2	240982	113527	61830	805	0	Pass
3	242342	113814	62223	855	0	Pass
4	242232	114320	62433	824	0	Pass
5	243128	114930	63058	859	0	Pass
6	241516	113653	62797	805	0	Pass
7	242049	113911	62174	793	0	Pass
8	242860	114606	63131	816	0	Pass
9	241966	114295	62839	815	0	Pass
10	242362	114643	62432	830	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4046.811	851.910	0.000	0.000	Pass
2	4018.958	863.842	0.000	0.000	Pass
3	4041.654	862.084	0.000	0.000	Pass
4	4039.818	867.029	0.000	0.000	Pass
5	4054.771	866.786	0.000	0.000	Pass
6	4027.869	849.794	0.000	0.000	Pass
7	4036.764	864.521	0.000	0.000	Pass
8	4050.298	860.150	0.000	0.000	Pass
9	4035.379	859.824	0.000	0.000	Pass
10	4041.988	872.444	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.06.01 10:15:16  
 Results file name: 261K1516.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.06.01  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.06.01

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 219.718 +- 0.628  
 Doubles: 2.382 +- 0.106  
 Triples: 0.000 +- 0.000  
 Scaler 1: 5.395 +- 0.137  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13349	349	187	314	0	Pass
2	13157	353	174	367	0	Pass
3	13185	306	169	354	0	Pass
4	13336	328	174	326	0	Pass
5	13030	319	170	299	0	Pass
6	13180	320	204	323	0	Pass
7	13288	329	175	302	0	Pass
8	13213	338	210	286	0	Pass
9	13004	307	177	349	0	Pass
10	13089	304	184	317	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	222.483	2.700	0.000	0.000	Pass
2	219.283	2.983	0.000	0.000	Pass
3	219.750	2.283	0.000	0.000	Pass
4	222.267	2.567	0.000	0.000	Pass
5	217.167	2.483	0.000	0.000	Pass
6	219.667	1.933	0.000	0.000	Pass
7	221.467	2.567	0.000	0.000	Pass
8	220.217	2.133	0.000	0.000	Pass
9	216.733	2.167	0.000	0.000	Pass
10	218.150	2.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.06.01 10:35:22  
 Results file name: 261K3522.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.06.01  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.06.01

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3.680 +- 0.098  
 Doubles: 0.002 +- 0.002  
 Triples: 0.000 +- 0.000  
 Scaler 1: 191.387 +- 0.756  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	217	0	0	11316	0	Pass
2	225	0	0	11615	0	Pass
3	217	0	0	11488	0	Pass
4	210	0	0	11450	0	Pass
5	207	1	0	11487	0	Pass
6	232	0	0	11591	0	Pass
7	231	0	0	11545	0	Pass
8	264	0	0	11597	0	Pass
9	200	0	0	11165	0	Pass
10	205	0	0	11578	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3.617	0.000	0.000	0.000	Pass
2	3.750	0.000	0.000	0.000	Pass
3	3.617	0.000	0.000	0.000	Pass
4	3.500	0.000	0.000	0.000	Pass
5	3.450	0.017	0.000	0.000	Pass
6	3.867	0.000	0.000	0.000	Pass
7	3.850	0.000	0.000	0.000	Pass
8	4.400	0.000	0.000	0.000	Pass
9	3.333	0.000	0.000	0.000	Pass
10	3.417	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.06.01 10:49:40  
 Results file name: 261K4940.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu239:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000	0.0000
Pu241:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu242:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu date:	00.01.01	22.06.01	0.0000 +- 0.0000	0.0000
Am241:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.06.01		

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	3305.781 +- 2.711
Doubles:	563.871 +- 2.816
Triples:	0.000 +- 0.000
Scaler 1:	27.845 +- 0.214
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	198344	76317	42323	1687	0	Pass
2	197951	76139	41634	1619	0	Pass
3	197675	75665	41428	1709	0	Pass
4	197701	75051	42073	1681	0	Pass
5	199044	75814	42211	1736	0	Pass
6	198972	76104	41751	1624	0	Pass
7	197933	75316	42267	1651	0	Pass
8	198255	75517	42090	1695	0	Pass
9	198883	76653	42539	1619	0	Pass
10	198144	75660	41984	1686	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3306.678	567.215	0.000	0.000	Pass
2	3300.125	575.740	0.000	0.000	Pass
3	3295.522	571.267	0.000	0.000	Pass
4	3295.956	550.260	0.000	0.000	Pass
5	3318.352	560.693	0.000	0.000	Pass
6	3317.151	573.207	0.000	0.000	Pass
7	3299.825	551.446	0.000	0.000	Pass
8	3305.194	557.754	0.000	0.000	Pass
9	3315.667	569.219	0.000	0.000	Pass
10	3303.343	561.908	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.06.01 11:04:44  
 Results file name: 261L0444.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu239:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000	0.0000
Pu241:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu242:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu date:	00.01.01	22.06.01	0.0000 +- 0.0000	0.0000
Am241:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.06.01		

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	276.270 +- 0.616
Doubles:	3.353 +- 0.114
Triples:	0.000 +- 0.000
Scaler 1:	203.862 +- 0.575
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	16561	502	309	12148	0	Pass
2	16535	523	291	12251	0	Pass
3	16488	495	279	12272	0	Pass
4	16780	525	330	12280	0	Pass
5	16459	482	308	12169	0	Pass
6	16704	486	271	12198	0	Pass
7	16729	515	281	12470	0	Pass
8	16534	486	305	12058	0	Pass
9	16499	486	304	12278	0	Pass
10	16473	505	315	12193	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	276.017	3.217	0.000	0.000	Pass
2	275.583	3.867	0.000	0.000	Pass
3	274.800	3.600	0.000	0.000	Pass
4	279.667	3.250	0.000	0.000	Pass
5	274.317	2.900	0.000	0.000	Pass
6	278.400	3.583	0.000	0.000	Pass
7	278.817	3.900	0.000	0.000	Pass
8	275.567	3.017	0.000	0.000	Pass
9	274.983	3.033	0.000	0.000	Pass
10	274.550	3.167	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.07.05 13:32:24  
 Results file name: 275N3224.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.07.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.07.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 113.503 +- 0.395  
 Doubles: 0.552 +- 0.061  
 Triples: 0.000 +- 0.000  
 Scaler 1: 207.355 +- 0.659  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6789	74	55	12466	0	Pass
2	6887	88	58	12371	0	Pass
3	6888	96	54	12639	0	Pass
4	6690	87	44	12385	0	Pass
5	6832	95	51	12498	0	Pass
6	6726	74	55	12648	0	Pass
7	6715	98	46	12448	0	Pass
8	6864	66	44	12302	0	Pass
9	6846	87	60	12360	0	Pass
10	6865	83	50	12296	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	113.150	0.317	0.000	0.000	Pass
2	114.783	0.500	0.000	0.000	Pass
3	114.800	0.700	0.000	0.000	Pass
4	111.500	0.717	0.000	0.000	Pass
5	113.867	0.733	0.000	0.000	Pass
6	112.100	0.317	0.000	0.000	Pass
7	111.917	0.867	0.000	0.000	Pass
8	114.400	0.367	0.000	0.000	Pass
9	114.100	0.450	0.000	0.000	Pass
10	114.417	0.550	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.07.05 12:03:00  
 Results file name: 275M0300.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.07.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.07.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 3941.629 +- 1.900  
 Doubles: 844.150 +- 2.514  
 Triples: 0.000 +- 0.000  
 Scaler 1: 13.502 +- 0.121  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	236509	110627	59730	778	0	Pass
2	236219	109950	58957	821	0	Pass
3	237087	110509	60215	788	0	Pass
4	235900	108930	59319	803	0	Pass
5	236558	110488	59796	838	0	Pass
6	236412	110166	59579	796	0	Pass
7	236457	110489	59716	855	0	Pass
8	235942	110127	58999	806	0	Pass
9	235966	109800	59721	811	0	Pass
10	236432	110139	59983	805	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3944.312	850.434	0.000	0.000	Pass
2	3939.473	852.035	0.000	0.000	Pass
3	3953.958	840.364	0.000	0.000	Pass
4	3934.150	828.941	0.000	0.000	Pass
5	3945.130	847.009	0.000	0.000	Pass
6	3942.694	845.253	0.000	0.000	Pass
7	3943.445	848.361	0.000	0.000	Pass
8	3934.851	854.288	0.000	0.000	Pass
9	3935.251	836.761	0.000	0.000	Pass
10	3943.028	838.052	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.07.05 10:34:44  
 Results file name: 275K3444.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.07.05	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.07.05	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No known alpha calibration

Results

Singles:	215.950 +- 0.581
Doubles:	2.535 +- 0.080
Triples:	0.000 +- 0.000
Scaler 1:	5.170 +- 0.095
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12921	342	163	294	0	Pass
2	12875	312	147	310	0	Pass
3	12937	335	177	319	0	Pass
4	13074	337	206	331	0	Pass
5	13064	322	179	268	0	Pass
6	13100	319	180	305	0	Pass
7	12960	359	196	324	0	Pass
8	12886	323	164	320	0	Pass
9	12740	315	167	318	0	Pass
10	13013	307	171	313	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	215.350	2.983	0.000	0.000	Pass
2	214.583	2.750	0.000	0.000	Pass
3	215.617	2.633	0.000	0.000	Pass
4	217.900	2.183	0.000	0.000	Pass
5	217.733	2.383	0.000	0.000	Pass
6	218.333	2.317	0.000	0.000	Pass
7	216.000	2.717	0.000	0.000	Pass
8	214.767	2.650	0.000	0.000	Pass
9	212.333	2.467	0.000	0.000	Pass
10	216.883	2.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.07.05 10:49:48  
 Results file name: 275K4948.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.07.05	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.07.05	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No known alpha calibration

Results

Singles:	3.478 +- 0.080
Doubles:	0.002 +- 0.002
Triples:	0.000 +- 0.000
Scaler 1:	185.998 +- 0.617
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	206	0	0	11265	0	Pass
2	216	1	0	11007	0	Pass
3	202	0	0	11211	0	Pass
4	206	0	0	11212	0	Pass
5	232	0	0	11203	0	Pass
6	212	0	0	11024	0	Pass
7	222	0	0	11245	0	Pass
8	176	0	0	11328	0	Pass
9	199	0	0	11100	0	Pass
10	216	0	0	11004	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3.433	0.000	0.000	0.000	Pass
2	3.600	0.017	0.000	0.000	Pass
3	3.367	0.000	0.000	0.000	Pass
4	3.433	0.000	0.000	0.000	Pass
5	3.867	0.000	0.000	0.000	Pass
6	3.533	0.000	0.000	0.000	Pass
7	3.700	0.000	0.000	0.000	Pass
8	2.933	0.000	0.000	0.000	Pass
9	3.317	0.000	0.000	0.000	Pass
10	3.600	0.000	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.07.05 11:05:06
Results file name: 275L0506.VER
Inspection number:
Item id: PWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 22.07.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 22.07.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 3228.349 +- 0.995
Doubles: 552.870 +- 1.540
Triples: 0.000 +- 0.000
Scaler 1: 26.773 +- 0.108
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.07.05 11:20:10
Results file name: 275L2010.VER
Inspection number:
Item id: PWR BF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 22.07.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 22.07.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 268.888 +- 0.478
Doubles: 3.788 +- 0.155
Triples: 0.000 +- 0.000
Scaler 1: 200.245 +- 0.382
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.08.02 10:11:57
Results file name: 282K1157.VER
Inspection number:
Item id: BWR TF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 22.08.02
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 22.08.02

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 111.418 +- 0.476
Doubles: 0.567 +- 0.078
Triples: 0.000 +- 0.000
Scaler 1: 203.130 +- 0.694
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.08.02 10:29:02
Results file name: 282K2902.VER
Inspection number:
Item id: BWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 22.08.02
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 22.08.02

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 3869.921 +- 3.310
Doubles: 827.087 +- 3.553
Triples: 0.000 +- 0.000
Scaler 1: 13.048 +- 0.177
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.08.02 10:45:01  
 Results file name: 282K4501.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.08.02	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.08.02	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	210.802 +- 0.887
Doubles:	2.243 +- 0.124
Triples:	0.000 +- 0.000
Scaler 1:	5.218 +- 0.142
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12819	337	177	275	0	Pass
2	12601	288	175	323	0	Pass
3	12361	275	164	274	0	Pass
4	12473	328	167	332	0	Pass
5	12681	297	179	356	0	Pass
6	12594	304	174	318	0	Pass
7	12710	316	165	289	0	Pass
8	12927	343	175	324	0	Pass
9	12546	291	187	335	0	Pass
10	12769	318	188	305	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	213.650	2.667	0.000	0.000	Pass
2	210.017	1.883	0.000	0.000	Pass
3	206.017	1.850	0.000	0.000	Pass
4	207.883	2.683	0.000	0.000	Pass
5	211.350	1.967	0.000	0.000	Pass
6	209.900	2.167	0.000	0.000	Pass
7	211.833	2.517	0.000	0.000	Pass
8	215.450	2.800	0.000	0.000	Pass
9	209.100	1.733	0.000	0.000	Pass
10	212.817	2.167	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.08.02 11:00:05  
 Results file name: 282L0005.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.08.02	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.08.02	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	3.587 +- 0.096
Doubles:	0.002 +- 0.003
Triples:	0.000 +- 0.000
Scaler 1:	182.292 +- 0.555
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	177	0	0	10967	0	Pass
2	245	0	0	11040	0	Pass
3	221	0	0	11016	0	Pass
4	213	0	0	10826	0	Pass
5	211	0	1	11109	0	Pass
6	215	0	0	10936	0	Pass
7	220	0	0	10859	0	Pass
8	235	0	0	10801	0	Pass
9	211	1	0	10995	0	Pass
10	204	1	0	10826	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2.950	0.000	0.000	0.000	Pass
2	4.083	0.000	0.000	0.000	Pass
3	3.683	0.000	0.000	0.000	Pass
4	3.550	0.000	0.000	0.000	Pass
5	3.517	-0.017	0.000	0.000	Pass
6	3.583	0.000	0.000	0.000	Pass
7	3.667	0.000	0.000	0.000	Pass
8	3.917	0.000	0.000	0.000	Pass
9	3.517	0.017	0.000	0.000	Pass
10	3.400	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.08.02 11:15:16  
 Results file name: 282L1516.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.08.02  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.08.02

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No passive calibration curve calibration  
 No known alpha calibration  
 Results  
 Singles: 3159.431 +- 3.149  
 Doubles: 539.976 +- 2.467  
 Triples: 0.000 +- 0.000  
 Scaler 1: 26.447 +- 0.218  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	190368	70872	38379	1608	0	Pass
2	188615	69960	37419	1566	0	Pass
3	189376	70267	38245	1581	0	Pass
4	189102	70154	37848	1541	0	Pass
5	189372	70540	38008	1547	0	Pass
6	189470	70721	37811	1661	0	Pass
7	189363	69773	38439	1638	0	Pass
8	189883	70768	37829	1614	0	Pass
9	189040	70235	38140	1550	0	Pass
10	190552	70989	38529	1562	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3173.671	542.145	0.000	0.000	Pass
2	3144.438	542.940	0.000	0.000	Pass
3	3157.128	534.283	0.000	0.000	Pass
4	3152.559	539.021	0.000	0.000	Pass
5	3157.062	542.792	0.000	0.000	Pass
6	3158.696	549.099	0.000	0.000	Pass
7	3156.911	522.804	0.000	0.000	Pass
8	3165.583	549.585	0.000	0.000	Pass
9	3151.525	535.500	0.000	0.000	Pass
10	3176.739	541.595	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.08.02 11:42:23  
 Results file name: 282L4223.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.08.02  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.08.02

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No passive calibration curve calibration  
 No known alpha calibration  
 Results  
 Singles: 264.707 +- 0.385  
 Doubles: 3.680 +- 0.149  
 Triples: 0.000 +- 0.000  
 Scaler 1: 195.070 +- 0.707  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15908	458	264	11852	0	Pass
2	15853	457	259	11822	0	Pass
3	15942	497	291	11437	0	Pass
4	15897	472	269	11607	0	Pass
5	15884	470	266	11819	0	Pass
6	16024	493	232	11689	0	Pass
7	15828	504	266	11612	0	Pass
8	15897	521	259	11843	0	Pass
9	15842	495	302	11719	0	Pass
10	15749	501	252	11642	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	265.133	3.233	0.000	0.000	Pass
2	264.217	3.300	0.000	0.000	Pass
3	265.700	3.433	0.000	0.000	Pass
4	264.950	3.383	0.000	0.000	Pass
5	264.733	3.400	0.000	0.000	Pass
6	267.067	4.350	0.000	0.000	Pass
7	263.800	3.967	0.000	0.000	Pass
8	264.950	4.367	0.000	0.000	Pass
9	264.033	3.217	0.000	0.000	Pass
10	262.483	4.150	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.09.06 09:37:06  
 Results file name: 296J3706.VER  
 Inspection number: 2021/010  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: Handenhove  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.09.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.09.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

(1)

Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
  
 Known alpha analysis error  
  
 Passive results  
 Singles: 109.335 +- 0.505  
 Doubles: 0.610 +- 0.063  
 Triples: 0.000 +- 0.000  
 Scaler 1: 198.992 +- 0.170  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6415	71	41	11926	0	Pass
2	6650	96	45	11963	0	Pass
3	6666	76	57	11953	0	Pass
4	6557	79	54	11876	0	Pass
5	6543	91	38	11940	0	Pass
6	6594	80	39	11908	0	Pass
7	6475	91	44	11943	0	Pass
8	6683	84	42	11950	0	Pass
9	6428	71	37	11939	0	Pass
10	6590	73	49	11997	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	106.917	0.500	0.000	0.000	Pass
2	110.833	0.850	0.000	0.000	Pass
3	111.100	0.317	0.000	0.000	Pass
4	109.283	0.417	0.000	0.000	Pass
5	109.050	0.883	0.000	0.000	Pass
6	109.900	0.683	0.000	0.000	Pass
7	107.917	0.783	0.000	0.000	Pass
8	111.383	0.700	0.000	0.000	Pass
9	107.133	0.567	0.000	0.000	Pass
10	109.833	0.400	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.09.06 09:56:12  
 Results file name: 296J5612.VER  
 Inspection number: 2021/010  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: Handenhove  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.09.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.09.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

(1)

Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
  
 Known alpha analysis error  
  
 Passive results  
 Singles: 3775.931 +- 3.741  
 Doubles: 809.247 +- 2.737  
 Triples: 0.000 +- 0.000  
 Scaler 1: 12.802 +- 0.286  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	227434	104221	54960	805	0	Pass
2	225788	101902	54434	784	0	Pass
3	226218	102661	54329	777	0	Pass
4	227561	103884	55046	781	0	Pass
5	225267	101714	53452	844	0	Pass
6	226823	103466	54856	758	0	Pass
7	226344	102730	54213	708	0	Pass
8	226055	103407	54446	788	0	Pass
9	226112	102719	54663	648	0	Pass
10	226584	102774	54706	788	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3792.875	823.018	0.000	0.000	Pass
2	3765.408	793.048	0.000	0.000	Pass
3	3772.583	807.486	0.000	0.000	Pass
4	3794.994	815.952	0.000	0.000	Pass
5	3756.714	806.309	0.000	0.000	Pass
6	3782.679	812.136	0.000	0.000	Pass
7	3774.686	810.578	0.000	0.000	Pass
8	3769.863	817.994	0.000	0.000	Pass
9	3770.814	802.874	0.000	0.000	Pass
10	3778.691	803.079	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.09.06 10:12:54  
 Results file name: 296K1254.VER  
 Inspection number: 2021/010  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: Handenhove  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.09.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.09.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

(1)

Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Passive results  
 Singles: 206.192 +- 0.447  
 Doubles: 2.375 +- 0.167  
 Triples: 0.000 +- 0.000  
 Scaler 1: 5.107 +- 0.058  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12411	336	147	303	0	Pass
2	12336	293	174	311	0	Pass
3	12484	355	172	299	0	Pass
4	12167	270	170	314	0	Pass
5	12343	316	177	309	0	Pass
6	12394	302	158	288	0	Pass
7	12434	313	154	294	0	Pass
8	12368	310	145	327	0	Pass
9	12360	265	166	308	0	Pass
10	12418	301	173	311	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	206.850	3.150	0.000	0.000	Pass
2	205.600	1.983	0.000	0.000	Pass
3	208.067	3.050	0.000	0.000	Pass
4	202.783	1.667	0.000	0.000	Pass
5	205.717	2.317	0.000	0.000	Pass
6	206.567	2.400	0.000	0.000	Pass
7	207.233	2.650	0.000	0.000	Pass
8	206.133	2.750	0.000	0.000	Pass
9	206.000	1.650	0.000	0.000	Pass
10	206.967	2.133	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.09.06 10:26:58  
 Results file name: 296K2658.VER  
 Inspection number: 2021/010  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: Handenhove  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.09.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.09.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

(1)

Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Passive results  
 Singles: 3.598 +- 0.059  
 Doubles: 0.000 +- 0.000  
 Triples: 0.000 +- 0.000  
 Scaler 1: 177.758 +- 0.538  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	208	0	0	10612	0	Pass
2	242	0	0	10738	0	Pass
3	219	0	0	10560	0	Pass
4	200	0	0	10710	0	Pass
5	214	0	0	10477	0	Pass
6	213	0	0	10715	0	Pass
7	210	0	0	10744	0	Pass
8	212	0	0	10827	0	Pass
9	221	0	0	10653	0	Pass
10	220	0	0	10619	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3.467	0.000	0.000	0.000	Pass
2	4.033	0.000	0.000	0.000	Pass
3	3.650	0.000	0.000	0.000	Pass
4	3.333	0.000	0.000	0.000	Pass
5	3.567	0.000	0.000	0.000	Pass
6	3.550	0.000	0.000	0.000	Pass
7	3.500	0.000	0.000	0.000	Pass
8	3.533	0.000	0.000	0.000	Pass
9	3.683	0.000	0.000	0.000	Pass
10	3.667	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.09.06 13:35:28
Results file name: 29N3528.VER
Inspection number: 2021/010
Item id: PWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: Handenhove
Passive comment:

Number passive cycles: 10
Count time (sec): 60
Passive error messages
No passive calibration curve calibration
No known alpha calibration

Passive results
Singles: 3086.915 +- 2.680
Doubles: 529.371 +- 1.627
Triples: 0.000 +- 0.000
Scaler 1: 26.232 +- 0.182
Scaler 2: 0.000 +- 0.000

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000
Pu date: 00.01.01
Am241: 0.0000 +- 0.0000
Am date: 00.01.01
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

(1)

(2)

INCC 5.1.2

Facility: PFPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.09.06 11:00:47
Results file name: 296L0047.VER
Inspection number: 2021/010
Item id: PWR BF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: Handenhove
Passive comment:

Number passive cycles: 11
Count time (sec): 60
Passive error messages
No passive calibration curve calibration
No known alpha calibration

Passive results
Singles: 259.862 +- 0.734
Doubles: 3.295 +- 0.134
Triples: 0.000 +- 0.000
Scaler 1: 190.285 +- 0.312
Scaler 2: 0.000 +- 0.000

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-11 showing cycle data.

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-11 showing cycle rate data.

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000
Pu date: 00.01.01
Am241: 0.0000 +- 0.0000
Am date: 00.01.01
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

(1)

(2)



INCC 5.1.2

Facility: PFPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.10.04 09:47:58
Results file name: 2A4J4758.VER
Inspection number: 2021/010
Item id: BWR TF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: Handenhove
Passive comment:

Number passive cycles: 10
Count time (sec): 60
Passive error messages
Known alpha analysis error
Passive results
Singles: 106.267 +- 0.477
Doubles: 0.478 +- 0.074
Triples: 0.000 +- 0.000
Scaler 1: 194.662 +- 0.864
Scaler 2: 0.000 +- 0.000

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000
Pu date: 00.01.01
Am241: 0.0000 +- 0.0000
Am date: 00.01.01
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 0.000 +- 0.000
Passive doubles bkgnd: 0.000 +- 0.000
Passive triples bkgnd: 0.000 +- 0.000
Passive scaler1 bkgnd: 0.000
Passive scaler2 bkgnd: 0.000

Passive cycle raw data table with columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10.

Passive cycle rate data table with columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10.

(1)

(2)

INCC 5.1.2

Facility: PFPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 22.10.04 10:06:03
Results file name: 2A4K0603.VER
Inspection number: 2021/010
Item id: BWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: Handenhove
Passive comment:

Number passive cycles: 10
Count time (sec): 60
Passive error messages
Known alpha analysis error
Passive results
Singles: 3692.230 +- 3.693
Doubles: 789.791 +- 3.671
Triples: 0.000 +- 0.000
Scaler 1: 12.672 +- 0.163
Scaler 2: 0.000 +- 0.000

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000
Pu date: 00.01.01
Am241: 0.0000 +- 0.0000
Am date: 00.01.01
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 0.000 +- 0.000
Passive doubles bkgnd: 0.000 +- 0.000
Passive triples bkgnd: 0.000 +- 0.000
Passive scaler1 bkgnd: 0.000
Passive scaler2 bkgnd: 0.000

Passive cycle raw data table with columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10.

Passive cycle rate data table with columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10.

(1)

(2)

INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.10.04 10:24:07  
 Results file name: 2A4K2407.VER  
 Inspection number: 2021/010  
 Item id: BWR BF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: Handenhove  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.10.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.10.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

(1)

Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
  
 No known alpha calibration  
  
 Passive results  
  
 Singles: 202.295 +- 0.307  
 Doubles: 2.202 +- 0.141  
 Triples: 0.000 +- 0.000  
 Scaler 1: 4.845 +- 0.101  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12165	268	151	282	0	Pass
2	12101	285	151	260	0	Pass
3	12165	288	158	303	0	Pass
4	12196	290	184	292	0	Pass
5	12175	306	145	272	0	Pass
6	12055	290	155	298	0	Pass
7	12024	269	143	298	0	Pass
8	12184	320	132	287	0	Pass
9	12144	251	158	331	0	Pass
10	12168	293	162	284	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	202.750	1.950	0.000	0.000	Pass
2	201.683	2.233	0.000	0.000	Pass
3	202.750	2.167	0.000	0.000	Pass
4	203.267	1.767	0.000	0.000	Pass
5	202.917	2.683	0.000	0.000	Pass
6	200.917	2.250	0.000	0.000	Pass
7	200.400	2.100	0.000	0.000	Pass
8	203.067	3.133	0.000	0.000	Pass
9	202.400	1.550	0.000	0.000	Pass
10	202.800	2.183	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.10.04 10:40:12  
 Results file name: 2A4K4012.VER  
 Inspection number: 2021/010  
 Item id: PWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: Handenhove  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.10.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.10.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

(1)

Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
  
 No known alpha calibration  
  
 Passive results  
  
 Singles: 3.543 +- 0.071  
 Doubles: -0.002 +- 0.002  
 Triples: 0.000 +- 0.000  
 Scaler 1: 174.663 +- 0.333  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	198	0	0	10534	0	Pass
2	230	0	0	10374	0	Pass
3	207	0	0	10465	0	Pass
4	207	0	0	10444	0	Pass
5	227	0	0	10450	0	Pass
6	221	0	1	10451	0	Pass
7	222	0	0	10471	0	Pass
8	193	0	0	10470	0	Pass
9	223	0	0	10535	0	Pass
10	198	0	0	10604	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3.300	0.000	0.000	0.000	Pass
2	3.833	0.000	0.000	0.000	Pass
3	3.450	0.000	0.000	0.000	Pass
4	3.450	0.000	0.000	0.000	Pass
5	3.783	0.000	0.000	0.000	Pass
6	3.683	-0.017	0.000	0.000	Pass
7	3.700	0.000	0.000	0.000	Pass
8	3.217	0.000	0.000	0.000	Pass
9	3.717	0.000	0.000	0.000	Pass
10	3.300	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.10.04 10:54:45  
 Results file name: 2AAK5445.VER  
 Inspection number: 2021/010  
 Item id: PWR COLLAR  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: Handenhove  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.10.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.10.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

(1)

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No passive calibration curve calibration  
 No known alpha calibration

Passive results

Singles:	3024.866 +-	2.547
Doubles:	517.967 +-	2.057
Triples:	0.000 +-	0.000
Scaler 1:	24.967 +-	0.211
Scaler 2:	0.000 +-	0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	180999	65670	34999	1527	0	Pass
2	181577	66491	35377	1465	0	Pass
3	180450	65947	34241	1463	0	Pass
4	181419	66479	35181	1509	0	Pass
5	181631	66110	35049	1412	0	Pass
6	181399	65446	35020	1516	0	Pass
7	182058	66403	34977	1547	0	Pass
8	181224	66390	35211	1506	0	Pass
9	181606	66170	35236	1527	0	Pass
10	182082	66061	35421	1508	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3017.437	511.717	0.000	0.000	Pass
2	3027.075	519.110	0.000	0.000	Pass
3	3008.282	528.983	0.000	0.000	Pass
4	3024.441	522.179	0.000	0.000	Pass
5	3027.976	518.226	0.000	0.000	Pass
6	3024.107	507.631	0.000	0.000	Pass
7	3035.096	524.317	0.000	0.000	Pass
8	3021.189	520.193	0.000	0.000	Pass
9	3027.559	516.107	0.000	0.000	Pass
10	3035.496	511.203	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.10.04 11:11:50  
 Results file name: 2A4L1150.VER  
 Inspection number: 2021/010  
 Item id: PWR BF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: Handenhove  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.10.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.10.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

(1)

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No passive calibration curve calibration  
 No known alpha calibration

Passive results

Singles:	253.750 +-	0.654
Doubles:	3.577 +-	0.168
Triples:	0.000 +-	0.000
Scaler 1:	186.220 +-	0.467
Scaler 2:	0.000 +-	0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15120	501	231	11061	0	Pass
2	15064	490	248	11135	0	Pass
3	15111	429	224	11181	0	Pass
4	15103	434	231	11267	0	Pass
5	15196	455	243	11244	0	Pass
6	15394	470	232	11187	0	Pass
7	15339	445	240	11335	0	Pass
8	15393	447	262	11104	0	Pass
9	15265	411	254	11068	0	Pass
10	15265	463	234	11150	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	252.000	4.500	0.000	0.000	Pass
2	251.067	4.033	0.000	0.000	Pass
3	251.850	3.417	0.000	0.000	Pass
4	251.717	3.383	0.000	0.000	Pass
5	253.267	3.533	0.000	0.000	Pass
6	256.567	3.967	0.000	0.000	Pass
7	255.650	3.417	0.000	0.000	Pass
8	256.550	3.083	0.000	0.000	Pass
9	254.417	2.617	0.000	0.000	Pass
10	254.417	3.817	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.11.01 09:34:31  
 Results file name: 2B1J3431.VER  
 Inspection number: 2021/010  
 Item id: BWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.11.01  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.11.01  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 104.307 +- 0.473  
 Doubles: 0.458 +- 0.037  
 Triples: 0.000 +- 0.000  
 Scaler 1: 189.718 +- 0.662  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6195	88	48	11334	0	Pass
2	6382	68	44	11411	0	Pass
3	6314	79	60	11226	0	Pass
4	6222	63	43	11492	0	Pass
5	6219	78	46	11223	0	Pass
6	6423	70	41	11280	0	Pass
7	6265	75	47	11478	0	Pass
8	6165	70	40	11437	0	Pass
9	6153	64	45	11611	0	Pass
10	6246	81	47	11339	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	103.250	0.667	0.000	0.000	Pass
2	106.367	0.400	0.000	0.000	Pass
3	105.233	0.317	0.000	0.000	Pass
4	103.700	0.333	0.000	0.000	Pass
5	103.650	0.533	0.000	0.000	Pass
6	107.050	0.483	0.000	0.000	Pass
7	104.417	0.467	0.000	0.000	Pass
8	102.750	0.500	0.000	0.000	Pass
9	102.550	0.317	0.000	0.000	Pass
10	104.100	0.567	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.11.01 09:50:35  
 Results file name: 2B1J5035.VER  
 Inspection number: 2021/010  
 Item id: BWR COLLAR  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.11.01  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.11.01  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 3624.030 +- 3.406  
 Doubles: 776.591 +- 2.996  
 Triples: 0.000 +- 0.000  
 Scaler 1: 12.370 +- 0.150  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	217514	97099	50195	746	0	Pass
2	217468	97035	50261	817	0	Pass
3	217639	96489	50726	743	0	Pass
4	215973	95207	49496	720	0	Pass
5	217186	97352	50475	721	0	Pass
6	216713	96724	50301	737	0	Pass
7	217552	96343	50694	743	0	Pass
8	217847	97245	50442	716	0	Pass
9	216974	96972	49817	735	0	Pass
10	218288	97553	50740	744	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3627.344	783.556	0.000	0.000	Pass
2	3626.577	781.384	0.000	0.000	Pass
3	3629.430	764.496	0.000	0.000	Pass
4	3601.631	763.613	0.000	0.000	Pass
5	3621.871	783.102	0.000	0.000	Pass
6	3613.979	775.514	0.000	0.000	Pass
7	3627.978	762.591	0.000	0.000	Pass
8	3632.901	781.871	0.000	0.000	Pass
9	3618.334	787.744	0.000	0.000	Pass
10	3640.259	782.042	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.11.01 10:06:02  
 Results file name: 2B1K0602.VER  
 Inspection number: 2021/010  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.11.01  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.11.01

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 9  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 198.735 +- 0.577  
 Doubles: 2.370 +- 0.069  
 Triples: 0.000 +- 0.000  
 Scaler 1: 4.791 +- 0.055  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	11823	292	147	274	0	Pass
2	11926	311	144	302	0	Pass
3	11851	290	146	282	0	Pass
4	11898	300	171	289	0	Pass
5	11813	299	150	294	0	Pass
6	12129	299	153	299	0	Pass
7	11896	280	152	279	0	Pass
8	11935	285	156	277	0	Pass
9	12046	280	137	291	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	197.050	2.417	0.000	0.000	Pass
2	198.767	2.783	0.000	0.000	Pass
3	197.517	2.400	0.000	0.000	Pass
4	198.300	2.150	0.000	0.000	Pass
5	196.883	2.483	0.000	0.000	Pass
6	202.150	2.433	0.000	0.000	Pass
7	198.267	2.133	0.000	0.000	Pass
8	198.917	2.150	0.000	0.000	Pass
9	200.767	2.383	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.11.01 10:22:06  
 Results file name: 2B1K2206.VER  
 Inspection number: 2021/010  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 22.11.01  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 22.11.01

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 3.702 +- 0.095  
 Doubles: -0.002 +- 0.002  
 Triples: 0.000 +- 0.000  
 Scaler 1: 170.612 +- 0.660  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	232	0	1	10188	0	Pass
2	238	0	0	10139	0	Pass
3	212	0	0	10144	0	Pass
4	230	0	0	10364	0	Pass
5	220	0	0	10221	0	Pass
6	238	0	0	10485	0	Pass
7	204	0	0	10126	0	Pass
8	236	0	0	10315	0	Pass
9	229	0	0	10293	0	Pass
10	182	0	0	10092	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3.867	-0.017	0.000	0.000	Pass
2	3.967	0.000	0.000	0.000	Pass
3	3.533	0.000	0.000	0.000	Pass
4	3.833	0.000	0.000	0.000	Pass
5	3.667	0.000	0.000	0.000	Pass
6	3.967	0.000	0.000	0.000	Pass
7	3.400	0.000	0.000	0.000	Pass
8	3.933	0.000	0.000	0.000	Pass
9	3.817	0.000	0.000	0.000	Pass
10	3.033	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.11.01 10:36:40  
 Results file name: 2B1K3640.VER  
 Inspection number: 2021/010  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu239:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000	0.0000
Pu241:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu242:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu date:	00.01.01	22.11.01		
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Am date:	00.01.01	22.11.01		

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
No known alpha calibration

Results

Singles:	2958.367 +- 2.307
Doubles:	503.154 +- 2.101
Triples:	0.000 +- 0.000
Scaler 1:	24.692 +- 0.212
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	177755	64106	33846	1534	0	Pass
2	176791	63745	33163	1442	0	Pass
3	177247	63892	33695	1482	0	Pass
4	177704	64220	33944	1447	0	Pass
5	177499	63459	33936	1451	0	Pass
6	177582	63802	33737	1472	0	Pass
7	177292	63717	33172	1492	0	Pass
8	178059	64064	34253	1479	0	Pass
9	177884	64344	33662	1565	0	Pass
10	176753	62640	32997	1451	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2963.342	504.850	0.000	0.000	Pass
2	2947.268	510.220	0.000	0.000	Pass
3	2954.871	503.798	0.000	0.000	Pass
4	2962.492	505.117	0.000	0.000	Pass
5	2959.074	492.554	0.000	0.000	Pass
6	2960.458	501.597	0.000	0.000	Pass
7	2955.622	509.604	0.000	0.000	Pass
8	2968.412	497.360	0.000	0.000	Pass
9	2965.493	511.891	0.000	0.000	Pass
10	2946.634	494.554	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.11.01 11:23:48  
 Results file name: 2B1L2348.VER  
 Inspection number: 2021/010  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu239:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000	0.0000
Pu241:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu242:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu date:	00.01.01	22.11.01		
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Am date:	00.01.01	22.11.01		

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
No known alpha calibration

Results

Singles:	248.582 +- 0.826
Doubles:	3.317 +- 0.083
Triples:	0.000 +- 0.000
Scaler 1:	183.753 +- 0.657
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14965	431	223	11279	0	Pass
2	14959	449	249	10942	0	Pass
3	14888	440	243	10928	0	Pass
4	15032	432	223	11076	0	Pass
5	15056	429	246	10920	0	Pass
6	15177	469	263	11124	0	Pass
7	14887	460	238	11110	0	Pass
8	14657	402	210	10891	0	Pass
9	14745	409	243	10928	0	Pass
10	14783	436	229	11054	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	249.417	3.467	0.000	0.000	Pass
2	249.317	3.333	0.000	0.000	Pass
3	248.133	3.283	0.000	0.000	Pass
4	250.533	3.483	0.000	0.000	Pass
5	250.933	3.050	0.000	0.000	Pass
6	252.950	3.433	0.000	0.000	Pass
7	248.117	3.700	0.000	0.000	Pass
8	244.283	3.200	0.000	0.000	Pass
9	245.750	2.767	0.000	0.000	Pass
10	246.383	3.450	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.12.06 09:31:39  
 Results file name: 2C6J3139.VER  
 Inspection number: 2021/010  
 Item id: BWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.12.06	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.12.06	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	101.807 +- 0.337
Doubles:	0.550 +- 0.058
Triples:	0.000 +- 0.000
Scaler 1:	185.650 +- 0.476
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6233	69	47	11191	0	Pass
2	6126	87	42	11174	0	Pass
3	6076	77	27	11191	0	Pass
4	6083	80	37	10991	0	Pass
5	6071	55	40	11015	0	Pass
6	6204	73	35	11224	0	Pass
7	6060	72	40	11166	0	Pass
8	6099	71	41	11054	0	Pass
9	6103	69	41	11126	0	Pass
10	6029	74	47	11258	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	103.883	0.367	0.000	0.000	Pass
2	102.100	0.750	0.000	0.000	Pass
3	101.267	0.833	0.000	0.000	Pass
4	101.383	0.717	0.000	0.000	Pass
5	101.183	0.250	0.000	0.000	Pass
6	103.400	0.633	0.000	0.000	Pass
7	101.000	0.533	0.000	0.000	Pass
8	101.650	0.500	0.000	0.000	Pass
9	101.717	0.467	0.000	0.000	Pass
10	100.483	0.450	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPFJ  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.12.06 09:47:44  
 Results file name: 2C6J4744.VER  
 Inspection number: 2021/010  
 Item id: BWR COLLAR  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.12.06	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.12.06	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	3533.144 +- 2.889
Doubles:	756.090 +- 3.381
Triples:	0.000 +- 0.000
Scaler 1:	11.968 +- 0.178
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	211534	92960	47860	703	0	Pass
2	211806	92872	47800	645	0	Pass
3	211710	92649	48253	706	0	Pass
4	212005	93169	48095	762	0	Pass
5	211866	93279	48293	734	0	Pass
6	213149	94376	48407	699	0	Pass
7	211403	93254	47350	760	0	Pass
8	211813	92217	47129	718	0	Pass
9	211142	92122	47522	722	0	Pass
10	212257	94108	47671	732	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3527.563	753.371	0.000	0.000	Pass
2	3532.101	752.905	0.000	0.000	Pass
3	3530.500	741.612	0.000	0.000	Pass
4	3535.422	752.940	0.000	0.000	Pass
5	3533.103	751.469	0.000	0.000	Pass
6	3554.510	767.900	0.000	0.000	Pass
7	3525.377	766.800	0.000	0.000	Pass
8	3532.218	753.172	0.000	0.000	Pass
9	3521.022	745.015	0.000	0.000	Pass
10	3539.627	775.710	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.12.06 10:06:39  
 Results file name: 2C6K0639.VER  
 Inspection number: 2021/010  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.12.06	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.12.06	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	193.543 +- 0.404
Doubles:	2.225 +- 0.092
Triples:	0.000 +- 0.000
Scaler 1:	4.535 +- 0.132
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	11590	285	147	248	0	Pass
2	11608	299	125	231	0	Pass
3	11477	271	143	277	0	Pass
4	11553	272	155	285	0	Pass
5	11547	291	144	289	0	Pass
6	11729	282	148	234	0	Pass
7	11608	278	144	300	0	Pass
8	11641	270	156	283	0	Pass
9	11667	269	140	294	0	Pass
10	11706	274	154	280	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	193.167	2.300	0.000	0.000	Pass
2	193.467	2.900	0.000	0.000	Pass
3	191.283	2.133	0.000	0.000	Pass
4	192.550	1.950	0.000	0.000	Pass
5	192.450	2.450	0.000	0.000	Pass
6	195.483	2.233	0.000	0.000	Pass
7	193.467	2.233	0.000	0.000	Pass
8	194.017	1.900	0.000	0.000	Pass
9	194.450	2.150	0.000	0.000	Pass
10	195.100	2.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.12.06 10:21:43  
 Results file name: 2C6K2143.VER  
 Inspection number: 2021/010  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.12.06	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.12.06	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	3.037 +- 0.073
Doubles:	0.003 +- 0.002
Triples:	0.000 +- 0.000
Scaler 1:	165.897 +- 0.485
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	173	0	0	10095	0	Pass
2	204	0	0	9983	0	Pass
3	160	0	0	9953	0	Pass
4	188	0	0	9856	0	Pass
5	178	0	0	9887	0	Pass
6	172	0	0	9875	0	Pass
7	197	0	0	10050	0	Pass
8	192	0	0	9999	0	Pass
9	189	1	0	10024	0	Pass
10	169	1	0	9816	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2.883	0.000	0.000	0.000	Pass
2	3.400	0.000	0.000	0.000	Pass
3	2.667	0.000	0.000	0.000	Pass
4	3.133	0.000	0.000	0.000	Pass
5	2.967	0.000	0.000	0.000	Pass
6	2.867	0.000	0.000	0.000	Pass
7	3.283	0.000	0.000	0.000	Pass
8	3.200	0.000	0.000	0.000	Pass
9	3.150	0.017	0.000	0.000	Pass
10	2.817	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.12.06 10:37:46  
 Results file name: 2C6K3746.VER  
 Inspection number: 2021/010  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.12.06	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.12.06	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	2889.555 +- 1.908
Doubles:	494.779 +- 1.530
Triples:	0.000 +- 0.000
Scaler 1:	24.568 +- 0.275
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	173269	61801	32052	1520	0	Pass
2	173095	61592	31854	1431	0	Pass
3	173486	61663	32159	1527	0	Pass
4	174049	61981	32505	1418	0	Pass
5	172868	61364	31629	1433	0	Pass
6	173329	61985	32596	1465	0	Pass
7	173496	62543	32397	1521	0	Pass
8	173682	61990	31893	1556	0	Pass
9	173093	61341	31907	1415	0	Pass
10	172933	61176	31873	1455	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2888.538	496.312	0.000	0.000	Pass
2	2885.636	496.128	0.000	0.000	Pass
3	2892.156	492.225	0.000	0.000	Pass
4	2901.544	491.760	0.000	0.000	Pass
5	2881.851	496.077	0.000	0.000	Pass
6	2889.538	490.306	0.000	0.000	Pass
7	2892.323	502.936	0.000	0.000	Pass
8	2895.425	502.119	0.000	0.000	Pass
9	2885.603	491.056	0.000	0.000	Pass
10	2882.935	488.870	0.000	0.000	Pass

(2)

202212\_AFAS-P\_Bottom Fork.txt

202212\_AFAS-P\_Bottom Fork.txt

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 22.12.06 10:52:50  
 Results file name: 2C6K5250.VER  
 Inspection number: 2021/010  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	22.12.06	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	22.12.06	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	240.658 +- 0.753
Doubles:	3.300 +- 0.162
Triples:	0.000 +- 0.000
Scaler 1:	178.847 +- 0.853
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14483	423	213	10437	0	Pass
2	14328	392	234	10811	0	Pass
3	14550	414	211	10762	0	Pass
4	14473	439	207	10706	0	Pass
5	14342	433	214	10666	0	Pass
6	14312	399	186	11041	0	Pass
7	14656	408	228	10801	0	Pass
8	14278	405	227	10663	0	Pass
9	14649	452	213	10834	0	Pass
10	14324	378	230	10587	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	241.383	3.500	0.000	0.000	Pass
2	238.800	2.633	0.000	0.000	Pass
3	242.500	3.383	0.000	0.000	Pass
4	241.217	3.867	0.000	0.000	Pass
5	239.033	3.650	0.000	0.000	Pass
6	238.533	3.550	0.000	0.000	Pass
7	244.267	3.000	0.000	0.000	Pass
8	237.967	2.967	0.000	0.000	Pass
9	244.150	3.983	0.000	0.000	Pass
10	238.733	2.467	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.01.12 09:35:35
Results file name: 31CJ3535.VER
Inspection number:
Item id: BWR TF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.01.12
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.01.12

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 99.150 +- 0.209
Doubles: 0.520 +- 0.046
Triples: 0.000 +- 0.000
Scaler 1: 181.488 +- 0.516
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.01.12 11:04:59
Results file name: 31CL0459.VER
Inspection number:
Item id: BWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.01.12
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.01.12

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 3441.789 +- 2.744
Doubles: 735.645 +- 2.028
Triples: 0.000 +- 0.000
Scaler 1: 11.692 +- 0.117
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.01.12 10:03:12  
 Results file name: 31CK0312.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	23.01.12	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	23.01.12	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	188.252 +- 0.550
Doubles:	2.118 +- 0.089
Triples:	0.000 +- 0.000
Scaler 1:	4.562 +- 0.056
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	11314	260	141	270	0	Pass
2	11318	246	107	290	0	Pass
3	11230	277	113	273	0	Pass
4	11418	246	132	279	0	Pass
5	11474	245	113	263	0	Pass
6	11108	233	128	268	0	Pass
7	11350	279	149	293	0	Pass
8	11239	264	131	262	0	Pass
9	11266	285	161	271	0	Pass
10	11234	257	146	268	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	188.567	1.983	0.000	0.000	Pass
2	188.633	2.317	0.000	0.000	Pass
3	187.167	2.733	0.000	0.000	Pass
4	190.300	1.900	0.000	0.000	Pass
5	191.233	2.200	0.000	0.000	Pass
6	185.133	1.750	0.000	0.000	Pass
7	189.167	2.167	0.000	0.000	Pass
8	187.317	2.217	0.000	0.000	Pass
9	187.767	2.067	0.000	0.000	Pass
10	187.233	1.850	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.01.12 10:17:16  
 Results file name: 31CK1716.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	23.01.12	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	23.01.12	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	3.212 +- 0.055
Doubles:	0.000 +- 0.000
Triples:	0.000 +- 0.000
Scaler 1:	162.478 +- 0.506
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	178	0	0	9776	0	Pass
2	184	0	0	9695	0	Pass
3	209	0	0	9922	0	Pass
4	192	0	0	9678	0	Pass
5	196	1	1	9820	0	Pass
6	191	0	0	9725	0	Pass
7	191	0	0	9574	0	Pass
8	206	0	0	9704	0	Pass
9	200	0	0	9823	0	Pass
10	180	0	0	9770	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2.967	0.000	0.000	0.000	Pass
2	3.067	0.000	0.000	0.000	Pass
3	3.483	0.000	0.000	0.000	Pass
4	3.200	0.000	0.000	0.000	Pass
5	3.267	0.000	0.000	0.000	Pass
6	3.183	0.000	0.000	0.000	Pass
7	3.183	0.000	0.000	0.000	Pass
8	3.433	0.000	0.000	0.000	Pass
9	3.333	0.000	0.000	0.000	Pass
10	3.000	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.01.12 10:30:30  
 Results file name: 31CK3030.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu239:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu240:	100.0000 +- 0.0000	0.0000	100.0000 +- 0.0000	0.0000
Pu241:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu242:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000

Pu date: 00.01.01  
 Am241: 0.0000 +- 0.0000  
 Am date: 00.01.01

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	2814.777 +- 1.845
Doubles:	479.096 +- 1.508
Triples:	0.000 +- 0.000
Scaler 1:	23.803 +- 0.145
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	168724	59248	30886	1449	0	Pass
2	169085	59025	30685	1425	0	Pass
3	168029	58712	30009	1436	0	Pass
4	168996	59387	30832	1455	0	Pass
5	168837	59153	30083	1442	0	Pass
6	168870	58937	30184	1419	0	Pass
7	169038	59514	30559	1400	0	Pass
8	168548	58932	30287	1381	0	Pass
9	169087	59556	30352	1405	0	Pass
10	169241	59391	30800	1470	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2812.751	473.160	0.000	0.000	Pass
2	2818.770	472.794	0.000	0.000	Pass
3	2801.162	478.847	0.000	0.000	Pass
4	2817.286	476.381	0.000	0.000	Pass
5	2814.635	484.972	0.000	0.000	Pass
6	2815.185	479.683	0.000	0.000	Pass
7	2817.986	483.054	0.000	0.000	Pass
8	2809.816	477.881	0.000	0.000	Pass
9	2818.803	487.208	0.000	0.000	Pass
10	2821.371	476.982	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.01.12 10:44:34  
 Results file name: 31CK4434.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu239:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu240:	100.0000 +- 0.0000	0.0000	100.0000 +- 0.0000	0.0000
Pu241:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000
Pu242:	0.0000 +- 0.0000	0.0000	0.0000 +- 0.0000	0.0000

Pu date: 00.01.01  
 Am241: 0.0000 +- 0.0000  
 Am date: 00.01.01

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	235.743 +- 0.441
Doubles:	2.913 +- 0.163
Triples:	0.000 +- 0.000
Scaler 1:	174.297 +- 0.485
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14216	387	208	10326	0	Pass
2	14020	361	202	10423	0	Pass
3	14254	371	229	10418	0	Pass
4	14165	392	213	10359	0	Pass
5	14128	409	231	10453	0	Pass
6	14182	365	213	10462	0	Pass
7	14093	408	229	10527	0	Pass
8	14127	416	226	10423	0	Pass
9	14019	436	188	10635	0	Pass
10	14242	371	229	10552	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	236.933	2.983	0.000	0.000	Pass
2	233.667	2.650	0.000	0.000	Pass
3	237.567	2.367	0.000	0.000	Pass
4	236.083	2.983	0.000	0.000	Pass
5	235.467	2.967	0.000	0.000	Pass
6	236.367	2.533	0.000	0.000	Pass
7	234.883	2.983	0.000	0.000	Pass
8	235.450	3.167	0.000	0.000	Pass
9	233.650	4.133	0.000	0.000	Pass
10	237.367	2.367	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.02.09 11:15:09
Results file name: 329L1509.VER
Inspection number:
Item id: BWR TF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.02.09
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.02.09

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000
Number passive cycles: 10
Count time (sec): 60

Passive error messages
Known alpha analysis error

Results
Singles: 97.830 +- 0.393
Doubles: 0.515 +- 0.070
Triples: 0.000 +- 0.000
Scaler 1: 177.563 +- 0.316
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.02.09 11:30:14
Results file name: 329L3014.VER
Inspection number:
Item id: BWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.02.09
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.02.09

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000
Number passive cycles: 10
Count time (sec): 60

Passive error messages
Known alpha analysis error

Results
Singles: 3373.531 +- 2.933
Doubles: 722.969 +- 2.107
Triples: 0.000 +- 0.000
Scaler 1: 11.468 +- 0.135
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.02.09 13:27:59  
 Results file name: 329N2759.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	23.02.09	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	23.02.09	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	185.103 +- 0.512
Doubles:	2.023 +- 0.099
Triples:	0.000 +- 0.000
Scaler 1:	4.467 +- 0.088
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	11131	249	136	260	0	Pass
2	11077	277	126	259	0	Pass
3	11227	282	131	293	0	Pass
4	11119	250	149	272	0	Pass
5	10991	243	126	265	0	Pass
6	11150	247	134	248	0	Pass
7	10916	240	145	241	0	Pass
8	11119	259	128	272	0	Pass
9	11095	261	136	284	0	Pass
10	11237	260	143	286	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	185.517	1.883	0.000	0.000	Pass
2	184.617	2.517	0.000	0.000	Pass
3	187.117	2.517	0.000	0.000	Pass
4	185.317	1.683	0.000	0.000	Pass
5	183.183	1.950	0.000	0.000	Pass
6	185.833	1.883	0.000	0.000	Pass
7	181.933	1.583	0.000	0.000	Pass
8	185.317	2.183	0.000	0.000	Pass
9	184.917	2.083	0.000	0.000	Pass
10	187.283	1.950	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.02.09 13:48:04  
 Results file name: 329N4804.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu date:	00.01.01	23.02.09	
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000
Am date:	00.01.01	23.02.09	

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	3.032 +- 0.070
Doubles:	0.002 +- 0.002
Triples:	0.000 +- 0.000
Scaler 1:	158.365 +- 0.471
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	186	0	0	9501	0	Pass
2	186	0	0	9495	0	Pass
3	168	1	0	9518	0	Pass
4	188	0	0	9568	0	Pass
5	193	0	0	9333	0	Pass
6	171	0	0	9592	0	Pass
7	167	0	0	9631	0	Pass
8	171	0	0	9424	0	Pass
9	209	0	0	9536	0	Pass
10	180	0	0	9421	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3.100	0.000	0.000	0.000	Pass
2	3.100	0.000	0.000	0.000	Pass
3	2.800	0.017	0.000	0.000	Pass
4	3.133	0.000	0.000	0.000	Pass
5	3.217	0.000	0.000	0.000	Pass
6	2.850	0.000	0.000	0.000	Pass
7	2.783	0.000	0.000	0.000	Pass
8	2.850	0.000	0.000	0.000	Pass
9	3.483	0.000	0.000	0.000	Pass
10	3.000	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.02.09 14:02:08
Results file name: 32900208.VER
Inspection number:
Item id: PWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.02.09
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.02.09

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 2760.500 +- 2.228
Doubles: 473.660 +- 1.517
Triples: 0.000 +- 0.000
Scaler 1: 23.098 +- 0.117
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.02.09 14:18:12
Results file name: 32901812.VER
Inspection number:
Item id: PWR BF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.02.09
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.02.09

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 230.530 +- 0.678
Doubles: 3.075 +- 0.150
Triples: 0.000 +- 0.000
Scaler 1: 169.592 +- 0.289
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)



INCC 5.1.2

Facility: PFFF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.03.02 10:04:51
Results file name: 332K0451.VER
Inspection number:
Item id: BWR TF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.03.02
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.03.02

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 95.948 +- 0.256
Doubles: 0.432 +- 0.056
Triples: 0.000 +- 0.000
Scaler 1: 174.413 +- 0.479
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.03.02 10:19:55
Results file name: 332K1955.VER
Inspection number:
Item id: BWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.03.02
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.03.02

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 3323.979 +- 1.586
Doubles: 710.382 +- 3.356
Triples: 0.000 +- 0.000
Scaler 1: 11.343 +- 0.117
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.03.02 10:35:00  
 Results file name: 332K3500.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000

Pu date: 00.01.01 23.03.02  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 23.03.02

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No known alpha calibration

Results

Singles:	181.677 +- 0.546
Doubles:	1.910 +- 0.093
Triples:	0.000 +- 0.000
Scaler 1:	4.808 +- 0.113
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	10703	243	110	275	0	Pass
2	10904	253	119	292	0	Pass
3	10939	253	133	305	0	Pass
4	10841	217	122	287	0	Pass
5	10942	236	136	336	0	Pass
6	11040	246	113	275	0	Pass
7	10951	237	125	264	0	Pass
8	11015	255	125	285	0	Pass
9	10895	232	132	266	0	Pass
10	10776	212	123	300	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	178.383	2.217	0.000	0.000	Pass
2	181.733	2.233	0.000	0.000	Pass
3	182.317	2.000	0.000	0.000	Pass
4	180.683	1.583	0.000	0.000	Pass
5	182.367	1.667	0.000	0.000	Pass
6	184.000	2.217	0.000	0.000	Pass
7	182.517	1.867	0.000	0.000	Pass
8	183.583	2.167	0.000	0.000	Pass
9	181.583	1.667	0.000	0.000	Pass
10	179.600	1.483	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.03.02 10:51:04  
 Results file name: 332K5104.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000	0.0000 +- 0.0000

Pu date: 00.01.01 23.03.02  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 23.03.02

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No known alpha calibration

Results

Singles:	3.005 +- 0.071
Doubles:	0.003 +- 0.002
Triples:	0.000 +- 0.000
Scaler 1:	157.438 +- 0.651
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	167	1	0	9399	0	Pass
2	178	1	0	9602	0	Pass
3	206	0	0	9571	0	Pass
4	197	0	0	9370	0	Pass
5	169	0	0	9358	0	Pass
6	190	0	0	9255	0	Pass
7	184	0	0	9484	0	Pass
8	170	0	0	9378	0	Pass
9	169	0	0	9406	0	Pass
10	173	0	0	9640	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2.783	0.017	0.000	0.000	Pass
2	2.967	0.017	0.000	0.000	Pass
3	3.433	0.000	0.000	0.000	Pass
4	3.283	0.000	0.000	0.000	Pass
5	2.817	0.000	0.000	0.000	Pass
6	3.167	0.000	0.000	0.000	Pass
7	3.067	0.000	0.000	0.000	Pass
8	2.833	0.000	0.000	0.000	Pass
9	2.817	0.000	0.000	0.000	Pass
10	2.883	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.03.02 11:06:08
Results file name: 332L0608.VER
Inspection number:
Item id: PWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.03.02
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.03.02

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 2719.122 +- 2.971
Doubles: 463.853 +- 1.424
Triples: 0.000 +- 0.000
Scaler 1: 23.273 +- 0.133
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PPF
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 23.03.02 11:20:12
Results file name: 332L2012.VER
Inspection number:
Item id: PWR BF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 23.03.02
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 23.03.02

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 229.297 +- 0.514
Doubles: 2.870 +- 0.103
Triples: 0.000 +- 0.000
Scaler 1: 168.372 +- 0.478
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

## 【AFAS 性能確認試験】

- (2) 2.3 新しい査察官非立会測定データ収集ソフトウェア（MIC3）の適用性確認

INCC 5.1.2

Facility: PPF  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 23.02.08 11:23:08  
Results file name: 328L2308.VER  
Inspection number:  
Item id: BWR COLLAR  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 23.02.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 23.02.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 6.845 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000  
Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.017

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 44992.017 +- 7.614  
Doubles: 9650.828 +- 32.587  
Triples: 0.000 +- 0.000  
Scaler 1: 0.000 +- 0.000  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2680366	8228143	7670187	1	0	Pass
2	2682033	8235785	7672143	1	0	Pass
3	2678855	8222085	7657554	1	0	Pass
4	2681409	8237349	7663208	1	0	Pass
5	2678890	8212806	7655837	1	0	Pass
6	2679476	8218708	7660688	1	0	Pass
7	2683152	8238980	7685307	1	0	Pass
8	2679538	8226656	7660953	1	0	Pass
9	2681261	8231234	7667507	1	0	Pass
10	2680087	8223915	7656630	1	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44989.637	9571.751	0.000	0.000	Pass
2	45017.826	9669.470	0.000	0.000	Pass
3	44964.087	9684.387	0.000	0.000	Pass
4	45007.274	9849.517	0.000	0.000	Pass
5	44964.679	9554.666	0.000	0.000	Pass
6	44974.588	9572.757	0.000	0.000	Pass
7	45036.748	9498.564	0.000	0.000	Pass
8	44975.636	9704.564	0.000	0.000	Pass
9	45004.772	9670.847	0.000	0.000	Pass
10	44984.920	9731.761	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: HHMR\_01  
Electronics id: JSR-15  
Inventory change code:  
I/O code:  
Measurement date: 23.02.08 11:23:11  
Results file name: 328L2311.VER  
Inspection number:  
Item id: BWR COLLAR  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 23.02.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 23.02.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 6.840 +- 0.000  
Passive doubles bkgrnd: 0.005 +- 0.000  
Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 44995.267 +- 8.409  
Doubles: 9700.408 +- 21.256  
Triples: 0.000 +- 0.000  
Scaler 1: 0.000 +- 0.000  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2680117	8230480	7661886	0	0	Pass
2	2680989	8229430	7666863	0	0	Pass
3	2679692	8224838	7659457	0	0	Pass
4	2683137	8251925	7679174	0	0	Pass
5	2679729	8218403	7659671	0	0	Pass
6	2679199	8219644	7656654	0	0	Pass
7	2683648	8246088	7682101	0	0	Pass
8	2679201	8225716	7656660	0	0	Pass
9	2681244	8233418	7668342	0	0	Pass
10	2680030	8226800	7661397	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44985.432	9754.219	0.000	0.000	Pass
2	45000.177	9650.917	0.000	0.000	Pass
3	44978.245	9699.055	0.000	0.000	Pass
4	45036.499	9825.854	0.000	0.000	Pass
5	44978.871	9584.996	0.000	0.000	Pass
6	44969.909	9657.986	0.000	0.000	Pass
7	45045.140	9675.556	0.000	0.000	Pass
8	44969.943	9762.047	0.000	0.000	Pass
9	45004.489	9693.986	0.000	0.000	Pass
10	44983.961	9699.468	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 23.02.08 14:57:08  
Results file name: 32805708.VER  
Inspection number:  
Item id: PWR COLLAR  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 23.02.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 23.02.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 9.202 +- 0.000  
Passive doubles bkgrnd: -0.002 +- 0.000  
Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.017

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 36784.740 +- 10.973  
Doubles: 6343.603 +- 21.050  
Triples: 0.000 +- 0.000  
Scaler 1: 0.000 +- 0.000  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2198840	5533741	5156619	1	0	Pass
2	2201403	5543502	5172341	1	0	Pass
3	2201431	5543271	5170106	1	0	Pass
4	2204438	5558835	5175126	1	0	Pass
5	2199733	5537423	5160829	1	0	Pass
6	2197640	5526054	5155311	1	0	Pass
7	2201497	5540287	5165948	1	0	Pass
8	2198166	5530200	5150671	1	0	Pass
9	2202359	5547438	5170046	1	0	Pass
10	2200749	5544069	5169782	1	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	36754.790	6365.783	0.000	0.000	Pass
2	36797.779	6265.255	0.000	0.000	Pass
3	36798.249	6299.084	0.000	0.000	Pass
4	36848.686	6477.181	0.000	0.000	Pass
5	36769.768	6356.903	0.000	0.000	Pass
6	36734.662	6258.063	0.000	0.000	Pass
7	36799.356	6318.904	0.000	0.000	Pass
8	36743.485	6406.388	0.000	0.000	Pass
9	36813.814	6370.471	0.000	0.000	Pass
10	36786.809	6317.998	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: HHMR\_01  
Electronics id: JSR-15  
Inventory change code:  
I/O code:  
Measurement date: 23.02.08 14:57:05  
Results file name: 32805705.VER  
Inspection number:  
Item id: PWR COLLAR  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 23.02.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 23.02.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 9.240 +- 0.000  
Passive doubles bkgrnd: 0.008 +- 0.000  
Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000

(1)

Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 36783.936 +- 10.393  
Doubles: 6348.927 +- 14.584  
Triples: 0.000 +- 0.000  
Scaler 1: 0.000 +- 0.000  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2198335	5534809	5154856	0	0	Pass
2	2201797	5549498	5171112	0	0	Pass
3	2200449	5539151	5164770	0	0	Pass
4	2204497	5560237	5183794	0	0	Pass
5	2200871	5545448	5166748	0	0	Pass
6	2197473	5524493	5150831	0	0	Pass
7	2201635	5541180	5170349	0	0	Pass
8	2199292	5534633	5159344	0	0	Pass
9	2200477	5540693	5164914	0	0	Pass
10	2200974	5545010	5167232	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	36746.281	6413.541	0.000	0.000	Pass
2	36804.349	6387.219	0.000	0.000	Pass
3	36781.739	6319.564	0.000	0.000	Pass
4	36849.637	6354.520	0.000	0.000	Pass
5	36788.817	6392.485	0.000	0.000	Pass
6	36731.823	6307.319	0.000	0.000	Pass
7	36801.632	6259.683	0.000	0.000	Pass
8	36762.333	6334.849	0.000	0.000	Pass
9	36782.209	6343.164	0.000	0.000	Pass
10	36790.545	6376.925	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.02.07 14:31:50  
 Results file name: 32703150.VER  
 Inspection number:  
 Item id: P1  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: PWR  
 Original declared mass: 9.551  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidents method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: P1  
 Isotopics source code: OD

Pu238:	1.3233 +- 0.0000	1.2427 +- 0.0000
Pu239:	61.4933 +- 0.0000	62.4889 +- 0.0000
Pu240:	27.8411 +- 0.0000	28.2701 +- 0.0000
Pu241:	3.8401 +- 0.0000	2.4055 +- 0.0000
Pu242:	5.5022 +- 0.0000	5.5928 +- 0.0000
Pu date:	13.01.30	23.02.07
Am241:	6.3855 +- 0.0000	7.8726 +- 0.0000
Am date:	13.01.30	23.02.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

(1)

Passive singles bkgrnd: 10550.371 +- 0.000  
 Passive doubles bkgrnd: -1.086 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.017  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive messages

Known alpha: failed stratum rejection limits

Results

Singles:	72796.175 +- 13.742
Doubles:	3468.735 +- 43.585
Triples:	0.000 +- 0.000
Scaler 1:	0.000 +- 0.000
Scaler 2:	0.000 +- 0.000

Known alpha results

Alpha:	1.060
Multiplication:	1.011
Multiplication corrected doubles:	3243.373 +- 8.018
Pu240e mass (g):	3.776 +- 0.009
Pu240e (%):	40.798
Pu mass (g):	9.255 +- 0.023
Declared Pu240e mass (g):	3.833
Declared Pu mass (g):	9.396
Declared - assay Pu mass (g):	0.141 +- 0.023
Declared - assay Pu mass (%):	1.504 +- 0.243

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	9.280000e-002
k:	2.062000e+000
a:	0.000000e+000
b:	8.590000e+002
variance a:	0.000000e+000
variance b:	0.000000e+000
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	4962811	26475578	26273479	1	0	Pass
2	4968558	26542040	26330921	1	0	Pass
3	4962300	26472402	26257039	1	0	Pass
4	4965352	26503041	26306195	1	0	Pass
5	4966919	26514377	26320430	1	0	Pass

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6	4965728	26503005	26306059	1	0	Pass
7	4968144	26522790	26332448	1	0	Pass
8	4960972	26453425	26251616	1	0	Pass
9	4962920	26474525	26264402	1	0	Pass
10	4965223	26492884	26289993	1	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	72760.976	3467.844	0.000	3.774	Pass
2	72858.152	3622.693	0.000	3.747	Pass
3	72752.335	3695.361	0.000	3.726	Pass
4	72803.941	3377.786	0.000	3.796	Pass
5	72830.438	3328.087	0.000	3.808	Pass
6	72810.299	3379.508	0.000	3.796	Pass
7	72851.151	3266.269	0.000	3.802	Pass
8	72729.880	3462.832	0.000	3.773	Pass
9	72762.819	3605.488	0.000	3.745	Pass
10	72801.760	3481.479	0.000	3.773	Pass

(3)

INCC 5.1.2

Facility: PPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: HHMR\_01  
 Electronics id: JSR-15  
 Inventory change code:  
 I/O code:  
 Measurement date: 23.02.07 14:31:08  
 Results file name: 32703108.VER  
 Inspection number:  
 Item id: P1  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: PWR  
 Original declared mass: 9.551  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidents method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: P1  
 Isotopics source code: OD

Pu238:	1.3233 +- 0.0000	1.2427 +- 0.0000
Pu239:	61.4933 +- 0.0000	62.4889 +- 0.0000
Pu240:	27.8411 +- 0.0000	28.2701 +- 0.0000
Pu241:	3.8401 +- 0.0000	2.4055 +- 0.0000
Pu242:	5.5022 +- 0.0000	5.5928 +- 0.0000
Pu date:	13.01.30	23.02.07
Am241:	6.3855 +- 0.0000	7.8726 +- 0.0000
Am date:	13.01.30	23.02.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

(1)

AFAS-P\_Fuel assembly(MIC3).txt

Passive singles bkgrnd: 10554.149 +- 0.000  
 Passive doubles bkgrnd: 1.783 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive messages

Known alpha: failed stratum rejection limits

Results

Singles: 72799.242 +- 15.847  
 Doubles: 3483.027 +- 16.598  
 Triples: 0.000 +- 0.000  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Known alpha results

Alpha: 1.060  
 Multiplication: 1.012  
 Multiplication corrected doubles: 3240.922 +- 3.147  
 Pu240e mass (g): 3.773 +- 0.004  
 Pu240e (%): 40.798  
 Pu mass (g): 9.248 +- 0.009  
 Declared Pu240e mass (g): 3.833  
 Declared Pu mass (g): 9.396  
 Declared - assay Pu mass (g): 0.148 +- 0.009  
 Declared - assay Pu mass (%): 1.578 +- 0.096

Known alpha calibration parameters

Alpha weight: 1.000000e+000  
 Rho zero: 9.280000e-002  
 k: 2.062000e+000  
 a: 0.000000e+000  
 b: 8.590000e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000

Passive cycle raw data

Cycle	Singles	R-A	A	Scaler1	Scaler2	QC Tests
1	4966748	26519671	26313180	0	0	Pass
2	4961648	26463875	26259166	0	0	Pass
3	4968507	26536170	26331808	0	0	Pass
4	4962342	26472693	26266524	0	0	Pass
5	4964986	26498427	26294516	0	0	Pass

(2)

AFAS-P\_Fuel assembly(MIC3).txt

6 4966794 26515149 26313678 0 0 Pass  
 7 4968620 26535998 26332986 0 0 Pass  
 8 4967949 26522208 26325904 0 0 Pass  
 9 4960389 26450497 26245836 0 0 Pass  
 10 4964992 26494972 26294578 0 0 Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	72823.769	3540.396	0.000	3.762	Pass
2	72737.533	3509.723	0.000	3.763	Pass
3	72853.512	3503.911	0.000	3.772	Pass
4	72749.268	3534.781	0.000	3.759	Pass
5	72793.975	3496.102	0.000	3.770	Pass
6	72824.547	3454.283	0.000	3.781	Pass
7	72855.423	3480.755	0.000	3.777	Pass
8	72844.077	3365.670	0.000	3.801	Pass
9	72716.245	3508.874	0.000	3.762	Pass
10	72794.076	3435.772	0.000	3.783	Pass

(3)



## 【AVIS 性能確認試験】

- (1) 3.2 プルトニウム同位体組成比検認用ゲルマニウム検出器の改良に伴う中性子検出器の測定性能への影響評価

AVIS profile(V1).txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 14:05:25  
 Results file name: 27P00525.RTS  
 Inspection number:  
 Item id: V1  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Ocm  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800  
 Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 173700.542 +- 29.065  
 Doubles: 146662.595 +- 181.952  
 Triples: 67891.408 +- 1195.828  
 Quads: 8856.786 +- 3042.774  
 Quads/Triples: 0.125 +- 0.044  
 Scaler 1: 75903.692 +- 18.608  
 Scaler 2: 47325.093 +- 11.662

(1)

AVIS profile(V1).txt

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5146264	60688241	56499264	2277280	1420351	Pass
2	5146322	60693842	56500512	2277511	1419563	Pass
3	5146590	60712118	56506568	2276272	1421555	Pass
4	5144132	60659275	56452400	2274701	1420267	Pass
5	5149058	60736434	56560708	2280354	1420766	Pass
6	5144395	60621665	56458288	2275674	1419202	Pass
7	5141588	60568285	56396644	2275797	1418556	Pass
8	5148358	60732558	56545376	2279126	1419749	Pass
9	5150452	60749170	56591184	2278725	1421484	Pass
10	5143907	60631734	56447608	2276453	1418375	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	173705.922	146855.643	69491.642	Pass
2	173707.905	147008.334	71733.213	Pass
3	173717.068	147437.131	69050.501	Pass
4	173633.036	147479.986	69954.236	Pass
5	173801.442	146395.152	68300.197	Pass
6	173642.027	145955.460	66364.964	Pass
7	173546.065	146241.099	61326.409	Pass
8	173777.511	146795.765	71899.891	Pass
9	173849.100	145775.228	61418.992	Pass
10	173625.344	146682.149	69383.016	Pass

(2)

AVIS profile(V2).txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 14:14:03  
 Results file name: 27P01403.RTS  
 Inspection number:  
 Item id: V2  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: 2cm  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800  
 Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 173742.945 +- 47.153  
 Doubles: 147053.949 +- 210.216  
 Triples: 68758.447 +- 817.381  
 Quads: 7740.273 +- 3606.031  
 Quads/Triples: 0.111 +- 0.053  
 Scaler 1: 75815.015 +- 20.781  
 Scaler 2: 47235.163 +- 16.159

(1)

AVIS profile(V2).txt

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5151341	60817482	56610672	2276696	1419002	Pass
2	5149414	60780740	56568484	2275733	1417245	Pass
3	5144412	60625129	56458684	2273846	1416364	Pass
4	5150694	60815347	56596548	2276952	1417601	Pass
5	5144795	60668734	56466988	2272407	1417540	Pass
6	5151390	60802335	56611980	2275400	1419024	Pass
7	5137040	60491070	56296928	2270841	1413689	Pass
8	5148188	60750625	56541468	2272922	1417713	Pass
9	5147748	60714217	56531812	2275143	1418076	Pass
10	5148447	60710988	56547220	2275350	1416635	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	173879.493	147488.256	69511.457	Pass
2	173813.613	147676.366	71214.247	Pass
3	173642.608	146063.040	66987.034	Pass
4	173857.373	147907.634	70426.894	Pass
5	173655.702	147301.148	66763.540	Pass
6	173881.168	146911.424	68910.552	Pass
7	173390.587	147023.261	70919.070	Pass
8	173771.699	147565.924	72437.896	Pass
9	173756.656	146627.403	65471.097	Pass
10	173780.553	145975.036	64938.193	Pass

(2)

AVIS profile(V3).txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 14:21:29  
 Results file name: 27P02129.RTS  
 Inspection number:  
 Item id: V3  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: 4cm

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 173862.800 +- 44.271  
 Doubles: 146794.150 +- 199.914  
 Triples: 67530.005 +- 777.562  
 Quads: 5256.321 +- 2785.361  
 Quads/Triples: 0.074 +- 0.041  
 Scaler 1: 76365.788 +- 23.106  
 Scaler 2: 46624.760 +- 12.844

(1)

AVIS profile(V3).txt

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5146111	60655476	56495892	2288640	1398278	Pass
2	5149260	60756832	56565112	2289609	1398567	Pass
3	5145696	60679568	56486852	2288313	1397269	Pass
4	5149844	60783802	56577912	2292069	1398211	Pass
5	5155689	60897988	56706380	2294469	1399084	Pass
6	5149107	60758643	56561716	2288312	1400451	Pass
7	5158357	60950412	56765096	2292890	1401014	Pass
8	5149109	60719565	56561696	2291546	1397689	Pass
9	5154385	60890328	56677728	2292929	1400064	Pass
10	5150969	60778695	56602604	2291745	1399141	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	173700.692	145824.972	68567.331	Pass
2	173808.348	146956.175	70663.585	Pass
3	173686.504	146985.896	65959.955	Pass
4	173828.314	147453.811	68468.741	Pass
5	174028.144	146961.622	64714.196	Pass
6	173803.117	147138.502	63121.381	Pass
7	174119.361	146744.903	66698.930	Pass
8	173803.186	145769.184	69185.285	Pass
9	173983.562	147695.711	70585.566	Pass
10	173866.775	146410.725	67328.134	Pass

(2)

AVIS profile(V4).txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 14:29:45  
 Results file name: 27P02945.RTS  
 Inspection number:  
 Item id: V4  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: 6cm

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 174196.757 +- 50.659  
 Doubles: 147437.936 +- 298.911  
 Triples: 67992.346 +- 674.927  
 Quads: 6211.451 +- 2049.910  
 Quads/Triples: 0.091 +- 0.029  
 Scaler 1: 77378.192 +- 26.354  
 Scaler 2: 46138.100 +- 18.385

(1)

AVIS profile(V4).txt

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5163465	61098818	56877756	2321536	1385569	Pass
2	5158207	61019345	56761792	2319393	1385458	Pass
3	5159922	60993774	56799612	2322090	1382879	Pass
4	5158009	60940284	56757512	2321556	1383874	Pass
5	5159785	60984394	56796576	2322154	1383679	Pass
6	5165746	61115983	56927924	2325614	1384296	Pass
7	5163948	61098819	56888304	2321286	1385920	Pass
8	5157034	60964799	56736124	2320095	1382636	Pass
9	5167945	61190793	56976240	2324072	1387570	Pass
10	5152146	60793184	56628480	2316447	1381889	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	174294.001	148005.726	68381.743	Pass
2	174114.232	149277.446	70816.553	Pass
3	174172.867	147057.344	65931.531	Pass
4	174107.463	146655.199	67153.676	Pass
5	174168.183	146834.708	69824.360	Pass
6	174371.989	146851.844	67464.566	Pass
7	174310.515	147636.617	70996.087	Pass
8	174074.128	148263.205	67339.577	Pass
9	174447.175	147784.066	67864.375	Pass
10	173907.014	146013.209	64142.741	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 14:37:45  
 Results file name: 27P03745.RTS  
 Inspection number:  
 Item id: V5  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: 8cm

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 173889.951 +- 67.876  
 Doubles: 146463.263 +- 178.334  
 Triples: 66961.332 +- 597.665  
 Quads: 4971.173 +- 2449.774  
 Quads/Triples: 0.073 +- 0.037  
 Scaler 1: 77807.855 +- 33.897  
 Scaler 2: 45374.047 +- 19.229

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5143830	60624865	56445844	2330178	1359606	Pass
2	5159961	60984158	56800428	2338083	1363457	Pass
3	5141448	60561443	56393500	2328932	1358044	Pass
4	5152613	60817537	56638776	2335849	1361634	Pass
5	5148657	60720123	56551796	2332987	1361872	Pass
6	5161083	61029552	56825168	2338326	1363590	Pass
7	5150921	60765578	56601592	2335246	1360400	Pass
8	5149310	60715021	56566124	2332276	1360914	Pass
9	5153522	60851628	56658788	2337061	1361410	Pass
10	5155123	60881596	56693876	2334204	1363627	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	173622.711	146503.071	69180.560	Pass
2	174174.200	146691.629	65965.582	Pass
3	173541.279	146111.259	64147.268	Pass
4	173922.980	146506.723	64576.411	Pass
5	173787.733	146135.172	66379.916	Pass
6	174212.561	147417.450	67856.679	Pass
7	173865.134	145986.262	68843.561	Pass
8	173810.057	145454.927	67365.173	Pass
9	173954.058	147001.656	65785.898	Pass
10	174008.793	146824.480	69490.733	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 14:45:16  
 Results file name: 27P04516.RTS  
 Inspection number:  
 Item id: V6  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: 10cm

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 173318.194 +- 49.426  
 Doubles: 145333.754 +- 248.653  
 Triples: 65806.755 +- 523.234  
 Quads: 2420.366 +- 2148.262  
 Quads/Triples: 0.035 +- 0.033  
 Scaler 1: 78472.055 +- 29.414  
 Scaler 2: 44294.787 +- 16.127

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5140966	60522461	56382948	2359029	1328814	Pass
2	5133858	60389150	56227196	2350443	1331152	Pass
3	5140702	60543415	56377196	2357394	1329507	Pass
4	5136596	60411992	56287188	2355443	1329689	Pass
5	5136243	60448633	56279444	2353847	1330506	Pass
6	5129803	60237726	56138456	2351921	1328176	Pass
7	5137732	60452645	56312212	2354956	1330541	Pass
8	5130533	60303756	56154404	2353474	1326093	Pass
9	5127255	60252358	56082580	2350564	1328653	Pass
10	5135535	60403820	56264008	2355331	1327645	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	173524.801	145113.923	64069.299	Pass
2	173281.809	145890.322	67315.762	Pass
3	173515.776	146049.741	62666.192	Pass
4	173375.409	144592.018	65036.198	Pass
5	173363.341	146147.392	67154.702	Pass
6	173143.190	143687.257	65291.335	Pass
7	173414.244	145141.517	68364.717	Pass
8	173168.145	145443.782	65930.459	Pass
9	173056.089	146155.006	65968.305	Pass
10	173339.138	145116.585	66275.483	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 14:52:04  
 Results file name: 27P05204.RTS  
 Inspection number:  
 Item id: V7  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: 12cm

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 171079.935 +- 32.470  
 Doubles: 140803.158 +- 145.261  
 Triples: 63134.835 +- 378.844  
 Quads: 6262.327 +- 1920.935  
 Quads/Triples: 0.099 +- 0.030  
 Scaler 1: 79358.808 +- 21.320  
 Scaler 2: 42077.337 +- 12.429

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5071582	58896315	54871388	2382722	1262329	Pass
2	5067361	58802668	54780016	2381454	1260837	Pass
3	5068068	58794091	54795180	2379168	1263679	Pass
4	5067238	58775675	54777484	2379440	1262409	Pass
5	5072130	58915036	54883356	2382561	1264190	Pass
6	5071047	58876416	54859656	2381289	1263301	Pass
7	5064068	58725368	54708864	2377714	1260479	Pass
8	5070009	58853995	54837272	2379950	1263308	Pass
9	5074488	58972102	54934288	2384454	1262744	Pass
10	5068381	58831845	54802056	2379676	1262265	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	171153.231	140999.938	64923.865	Pass
2	171008.982	140914.342	62954.270	Pass
3	171033.143	140083.671	62452.361	Pass
4	171004.779	140057.296	63433.176	Pass
5	171171.959	141237.275	64761.443	Pass
6	171134.948	140713.088	62172.453	Pass
7	170896.449	140694.381	63730.599	Pass
8	171099.475	140710.343	61070.115	Pass
9	171252.543	141455.469	62269.077	Pass
10	171043.839	141165.781	63570.112	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 14:58:29  
 Results file name: 27P05829.RTS  
 Inspection number:  
 Item id: V8  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: 14cm

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 166920.506 +- 33.890  
 Doubles: 133927.340 +- 190.863  
 Triples: 57735.431 +- 861.778  
 Quads: 2546.762 +- 2329.723  
 Quads/Triples: 0.040 +- 0.040  
 Scaler 1: 78137.555 +- 19.614  
 Scaler 2: 40656.927 +- 11.871

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	4942599	55923375	52115772	2341224	1219634	Pass
2	4951506	56125523	52303776	2346530	1219479	Pass
3	4949045	56083784	52251840	2344309	1220303	Pass
4	4949297	56114846	52257096	2343674	1220577	Pass
5	4947695	56063893	52223368	2344056	1219274	Pass
6	4946612	56014702	52200568	2343020	1220942	Pass
7	4947038	56009920	52209408	2344670	1220357	Pass
8	4947862	56064037	52226936	2343379	1221310	Pass
9	4943022	55951817	52124648	2343316	1217298	Pass
10	4952197	56157261	52318400	2347874	1220244	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	166746.725	133216.234	55314.932	Pass
2	167050.928	133722.895	57903.355	Pass
3	166966.876	134076.418	60745.369	Pass
4	166975.482	134979.686	59986.723	Pass
5	166920.769	134374.862	57496.370	Pass
6	166883.781	133450.042	57223.094	Pass
7	166898.330	132973.993	54192.055	Pass
8	166926.472	134255.283	53511.229	Pass
9	166761.172	133901.350	61188.018	Pass
10	167074.529	134322.635	59781.174	Pass

(2)

AVIS profile(C1).txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JM2G  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 10:26:00  
 Results file name: 27PK2600.RTS  
 Inspection number:  
 Item id: C1  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Deg.0

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 172999.171 +- 40.893  
 Doubles: 145767.780 +- 203.229  
 Triples: 68115.490 +- 756.243  
 Quads: 6118.938 +- 2067.226  
 Quads/Triples: 0.088 +- 0.030  
 Scaler 1: 77681.848 +- 23.477  
 Scaler 2: 50685.517 +- 15.678

(1)

AVIS profile(C1).txt

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5121240	60074627	55951076	2328654	1519956	Pass
2	5129792	60310958	56138112	2334068	1521761	Pass
3	5119382	60066750	55910532	2327350	1518936	Pass
4	5131132	60324921	56167580	2332089	1523220	Pass
5	5123017	60139802	55990004	2329709	1520413	Pass
6	5127618	60258290	56090560	2332831	1521740	Pass
7	5124934	60193718	56031860	2330146	1518221	Pass
8	5128835	60300874	56117244	2331481	1521400	Pass
9	5125479	60181798	56043788	2331370	1520618	Pass
10	5124470	60198831	56021824	2327642	1521730	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	172850.476	144526.076	65745.879	Pass
2	173142.814	146266.224	71917.013	Pass
3	172786.964	145668.336	68708.419	Pass
4	173188.622	145724.680	65953.793	Pass
5	172911.219	145448.570	67644.854	Pass
6	173068.498	146083.747	71707.064	Pass
7	172976.749	145874.042	68711.478	Pass
8	173110.100	146642.832	68928.208	Pass
9	172995.379	145038.948	64787.972	Pass
10	172960.888	146404.345	67033.261	Pass

(2)

AVIS profile(C2).txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JM2G  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.25 10:34:19  
 Results file name: 27PK3419.RTS  
 Inspection number:  
 Item id: C2  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Deg.90

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 174806.199 +- 33.555  
 Doubles: 148023.821 +- 182.242  
 Triples: 68118.694 +- 583.316  
 Quads: 5295.270 +- 2635.100  
 Quads/Triples: 0.076 +- 0.039  
 Scaler 1: 77463.572 +- 14.476  
 Scaler 2: 46251.347 +- 13.468

(1)

AVIS profile(C2).txt

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5181657	61528644	57279096	2324179	1388230	Pass
2	5177265	61399087	57182016	2324498	1386670	Pass
3	5179120	61433745	57222992	2324145	1387758	Pass
4	5173923	61324565	57108328	2321317	1386700	Pass
5	5176031	61363907	57154752	2324560	1386268	Pass
6	5180408	61502557	57251460	2326198	1388967	Pass
7	5175169	61353668	57135860	2323869	1386634	Pass
8	5179089	61426381	57222368	2323383	1387480	Pass
9	5184153	61557343	57334284	2325249	1390207	Pass
10	5177638	61400783	57190020	2322459	1388830	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	174916.016	149031.449	69473.734	Pass
2	174765.841	147886.036	67130.034	Pass
3	174829.269	147667.191	67493.969	Pass
4	174651.571	147851.885	66617.530	Pass
5	174723.648	147606.626	71368.320	Pass
6	174873.309	149083.925	70082.375	Pass
7	174694.174	147908.805	68248.680	Pass
8	174828.209	147430.780	68816.206	Pass
9	175001.363	148106.148	66690.682	Pass
10	174778.595	147665.370	65253.886	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type:   
 Detector id: AVIS R-123  
 Electronics id:   
 Measurement date: 22.07.25 10:41:45  
 Results file name: 27PK4145.RTS  
 Inspection number:   
 Item id: C3  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Deg.180

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 175396.705 +- 24.756  
 Doubles: 149192.160 +- 130.141  
 Triples: 68846.486 +- 993.297  
 Quads: 7235.346 +- 1162.938  
 Quads/Triples: 0.105 +- 0.017  
 Scaler 1: 75097.382 +- 21.268  
 Scaler 2: 43409.930 +- 14.325

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5197275	61883969	57624836	2251387	1303613	Pass
2	5193243	61784158	57535632	2254189	1299268	Pass
3	5194776	61817149	57569472	2252445	1302704	Pass
4	5200552	61967902	57697544	2257256	1303304	Pass
5	5192216	61756403	57512868	2250461	1301639	Pass
6	5196234	61856029	57601712	2254124	1301819	Pass
7	5195650	61847631	57588664	2253989	1302708	Pass
8	5195533	61836002	57586320	2250901	1302919	Pass
9	5194893	61805056	57572144	2251982	1303880	Pass
10	5196773	61884035	57613772	2253266	1303465	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	175450.067	149390.746	63778.749	Pass
2	175312.190	149012.738	68652.413	Pass
3	175364.612	148985.227	66722.974	Pass
4	175562.127	149789.339	72338.745	Pass
5	175277.072	148836.167	67967.109	Pass
6	175414.469	149220.281	66052.177	Pass
7	175394.499	149382.514	67991.012	Pass
8	175390.498	149056.671	70414.574	Pass
9	175368.613	148467.524	69903.279	Pass
10	175432.900	149780.389	74632.997	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type:   
 Detector id: AVIS R-123  
 Electronics id:   
 Measurement date: 22.07.25 10:49:24  
 Results file name: 27PK4924.RTS  
 Inspection number:   
 Item id: C4  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Deg.270

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 12.912 +- 0.148  
 Passive doubles bkgrnd: 0.162 +- 0.095  
 Passive triples bkgrnd: 0.258 +- 0.246  
 Passive scaler1 bkgrnd: 2.618  
 Passive scaler2 bkgrnd: 7.800

Number passive cycles: 10  
 Count time (sec): 30

Results

Singles: 174636.172 +- 46.019  
 Doubles: 147586.175 +- 174.770  
 Triples: 67196.907 +- 760.203  
 Quads: 186.217 +- 2316.577  
 Quads/Triples: 0.001 +- 0.035  
 Scaler 1: 77803.875 +- 24.021  
 Scaler 2: 46472.120 +- 16.164

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5183646	61542715	57323092	2339865	1394688	Pass
2	5170100	61263318	57023824	2332107	1394525	Pass
3	5174958	61346584	57131164	2334460	1396375	Pass
4	5174429	61344385	57119404	2333746	1395337	Pass
5	5170463	61220249	57031852	2333349	1391568	Pass
6	5172847	61285928	57084504	2334133	1392882	Pass
7	5170134	61228720	57024556	2331724	1393624	Pass
8	5176166	61354682	57157652	2335298	1396541	Pass
9	5169431	61206639	57009036	2334434	1393622	Pass
10	5172552	61276481	57077832	2332832	1394814	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	174984.027	147984.900	68637.048	Pass
2	174520.857	148661.806	72001.434	Pass
3	174686.960	147824.754	68274.364	Pass
4	174668.872	148159.258	67008.699	Pass
5	174533.268	146870.569	64994.656	Pass
6	174614.781	147330.860	64372.465	Pass
7	174522.019	147422.975	68495.145	Pass
8	174728.264	147181.623	65245.494	Pass
9	174497.983	147191.881	68241.360	Pass
10	174604.694	147233.119	64697.647	Pass

(2)

## 【AVIS 性能確認試験】

- (2) 3.3 中性子検出器の故障検知に必要な線源強度  
の評価



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JM2G  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.26 14:11:36  
 Results file name: 27Q01136.RTS  
 Inspection number:  
 Item id: H4-694  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Cavity #2

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 13030.565 +- 8.366  
 Doubles: 10995.238 +- 19.832  
 Triples: 5208.613 +- 40.907  
 Quads: 1418.440 +- 62.813  
 Quads/Triples: 0.272 +- 0.010  
 Scaler 1: 5807.998 +- 4.402  
 Scaler 2: 3605.670 +- 3.610

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	782309	1311586	652808	349187	216584	Pass
2	782926	1313276	653839	349317	216528	Pass
3	779648	1299683	648375	347041	216512	Pass
4	781978	1311146	652253	348788	216874	Pass
5	783654	1316018	655055	349416	217394	Pass
6	782306	1308170	652803	348244	217626	Pass
7	780965	1312883	650566	348749	216124	Pass
8	780228	1300799	649343	347818	216593	Pass
9	780393	1305041	649615	348151	215926	Pass
10	784565	1314938	656579	349761	218112	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	13037.441	11021.151	5303.958	Pass
2	13047.744	11032.209	5327.441	Pass
3	12993.007	10896.038	5107.995	Pass
4	13031.914	11023.058	5216.513	Pass
5	13059.901	11057.778	5363.317	Pass
6	13037.391	10964.085	5077.214	Pass
7	13014.999	11080.286	5397.198	Pass
8	13002.692	10898.545	5067.154	Pass
9	13005.448	10964.971	5081.123	Pass
10	13075.113	11014.262	5143.967	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JM2G  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.26 10:34:04  
 Results file name: 27QK3404.RTS  
 Inspection number:  
 Item id: 17-106  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Cavity

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 17315.384 +- 9.657  
 Doubles: 14611.993 +- 19.061  
 Triples: 6950.773 +- 40.642  
 Quads: 1935.441 +- 61.495  
 Quads/Triples: 0.278 +- 0.007  
 Scaler 1: 7693.372 +- 5.097  
 Scaler 2: 4772.220 +- 3.318

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1039252	2028678	1152047	463558	286924	Pass
2	1037344	2019498	1147821	461523	286335	Pass
3	1036201	2020166	1145294	461252	286136	Pass
4	1038520	2021361	1150428	461911	286578	Pass
5	1037181	2023043	1147456	460881	286096	Pass
6	1041317	2030030	1156626	462212	287990	Pass
7	1040245	2020203	1154252	462050	287531	Pass
8	1035540	2012915	1143832	459999	286477	Pass
9	1039590	2021761	1152799	461723	287346	Pass
10	1039009	2027702	1151511	462587	286790	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	17329.287	14684.112	7167.745	Pass
2	17297.407	14600.993	6951.449	Pass
3	17278.309	14654.430	7068.191	Pass
4	17317.056	14588.614	6951.276	Pass
5	17294.683	14666.477	7031.472	Pass
6	17363.791	14630.204	6926.350	Pass
7	17345.879	14505.283	6766.733	Pass
8	17267.265	14557.415	6910.004	Pass
9	17334.935	14555.674	6742.455	Pass
10	17325.227	14676.724	6992.622	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.26 10:57:08  
 Results file name: 27QK5708.RTS  
 Inspection number:  
 Item id: K7-436  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Cavity

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 27779.369 +- 8.007  
 Doubles: 23488.165 +- 21.170  
 Triples: 11197.367 +- 51.330  
 Quads: 2907.872 +- 122.512  
 Quads/Triples: 0.259 +- 0.010  
 Scaler 1: 12342.330 +- 5.024  
 Scaler 2: 7648.660 +- 2.996

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1663739	4351570	2952556	740294	459896	Pass
2	1664579	4352786	2955545	740725	459076	Pass
3	1665296	4354887	2958096	741366	459245	Pass
4	1664098	4353593	2953842	740446	459325	Pass
5	1663503	4355309	2951729	740401	459018	Pass
6	1667867	4370742	2967229	742753	460115	Pass
7	1663894	4353209	2953116	740452	460513	Pass
8	1663365	4344101	2951223	741438	459104	Pass
9	1662270	4339699	2947361	739310	458788	Pass
10	1663438	4346015	2951498	739886	458987	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	27771.572	23505.625	11328.176	Pass
2	27785.629	23475.932	11130.157	Pass
3	27797.627	23468.453	11211.095	Pass
4	27777.580	23518.049	11307.470	Pass
5	27767.623	23582.315	11539.228	Pass
6	27840.651	23581.689	11130.657	Pass
7	27774.166	23523.772	11170.326	Pass
8	27765.314	23402.488	11160.028	Pass
9	27746.990	23393.290	11011.574	Pass
10	27766.536	23430.034	10984.710	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JMOX  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.26 15:22:40  
 Results file name: 27QP2240.RTS  
 Inspection number:  
 Item id: Q2-334  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Cavity #2

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 83438.084 +- 19.757  
 Doubles: 70459.095 +- 47.802  
 Triples: 32863.761 +- 169.563  
 Quads: 5575.354 +- 641.529  
 Quads/Triples: 0.169 +- 0.019  
 Scaler 1: 36940.433 +- 7.237  
 Scaler 2: 23035.895 +- 8.452

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	4971533	30479497	26363862	2215527	1378977	Pass
2	4981968	30606622	26474692	2218545	1384654	Pass
3	4977165	30545848	26423658	2217314	1382734	Pass
4	4980150	30575853	26455324	2218601	1382994	Pass
5	4973151	30507943	26381052	2215923	1382132	Pass
6	4975523	30536951	26406210	2215102	1381530	Pass
7	4977543	30551886	26427670	2216583	1383345	Pass
8	4971870	30481030	26367466	2214597	1382474	Pass
9	4979969	30592308	26453392	2217446	1384456	Pass
10	4979593	30588239	26449446	2216295	1383112	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	83348.445	70274.463	32509.452	Pass
2	83524.485	70556.307	33680.995	Pass
3	83443.457	70388.331	32561.754	Pass
4	83493.815	70360.998	32105.687	Pass
5	83375.741	70467.218	32263.148	Pass
6	83415.756	70533.777	33089.403	Pass
7	83449.834	70423.057	32506.359	Pass
8	83354.130	70239.216	33335.324	Pass
9	83490.761	70674.907	33294.137	Pass
10	83484.418	70672.677	33289.639	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JM2G  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.26 15:46:24  
 Results file name: 27QP4624.RTS  
 Inspection number:  
 Item id: T1-349  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Cavity #2

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 173871.872 +- 30.179  
 Doubles: 146980.455 +- 132.615  
 Triples: 67600.622 +- 567.251  
 Quads: 4403.117 +- 1394.052  
 Quads/Triples: 0.064 +- 0.020  
 Scaler 1: 76309.437 +- 19.511  
 Scaler 2: 47860.440 +- 7.328

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	10297514	121498157	113108216	4573345	2871895	Pass
2	10313360	121872945	113456464	4584107	2874457	Pass
3	10304953	121613585	113271600	4581851	2872762	Pass
4	10299131	121551330	113143584	4575665	2872208	Pass
5	10302809	121613871	113224432	4577998	2873802	Pass
6	10306635	121698180	113308568	4583130	2872761	Pass
7	10297063	121445486	113098096	4576748	2870787	Pass
8	10294205	121434266	113035304	4574600	2869990	Pass
9	10304789	121657066	113267984	4581054	2870818	Pass
10	10302189	121586869	113210808	4578837	2871655	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	173790.662	147069.388	69463.105	Pass
2	174061.535	147546.212	66320.629	Pass
3	173917.824	146234.150	68479.880	Pass
4	173818.302	147382.678	69454.951	Pass
5	173881.174	147064.451	67643.507	Pass
6	173946.576	147070.275	66949.334	Pass
7	173782.952	146323.172	64209.481	Pass
8	173734.098	147225.102	69830.244	Pass
9	173915.020	147059.637	65947.611	Pass
10	173870.576	146829.486	67706.746	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JM2G  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.26 16:10:04  
 Results file name: 27QQ1004.RTS  
 Inspection number:  
 Item id: H4-694  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Bottom #3

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 2372.156 +- 2.255  
 Doubles: 340.743 +- 1.798  
 Triples: 28.649 +- 0.831  
 Quads: 1.739 +- 0.443  
 Quads/Triples: 0.058 +- 0.014  
 Scaler 1: 1062.913 +- 1.238  
 Scaler 2: 536.617 +- 0.563

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	144073	42880	22140	64440	32848	Pass
2	142929	41824	21790	63844	32688	Pass
3	142349	41691	21614	63684	32687	Pass
4	142931	41895	21791	63859	32803	Pass
5	143057	42287	21829	63666	32751	Pass
6	143185	42101	21868	64151	32523	Pass
7	143275	42547	21896	63992	32760	Pass
8	143237	42416	21884	63978	32582	Pass
9	143019	42288	21818	63764	32579	Pass
10	143032	42931	21822	64043	32620	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	2388.234	345.734	28.748	Pass
2	2369.160	333.958	27.480	Pass
3	2359.490	334.674	24.109	Pass
4	2369.194	335.125	27.593	Pass
5	2371.294	341.030	31.524	Pass
6	2373.429	337.277	27.765	Pass
7	2374.929	344.249	30.652	Pass
8	2374.296	342.264	29.918	Pass
9	2370.661	341.230	26.220	Pass
10	2370.878	351.887	32.477	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type:   
 Detector id: AVIS R-123  
 Electronics id:   
 Measurement date: 22.07.27 09:39:31  
 Results file name: 27RJ3931.RTS  
 Inspection number:   
 Item id: 17-106  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Bottom #3

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 3171.473 +- 2.778  
 Doubles: 463.921 +- 1.735  
 Triples: 40.463 +- 2.109  
 Quads: 7.081 +- 4.797  
 Quads/Triples: 0.140 +- 0.084  
 Scaler 1: 1422.808 +- 1.564  
 Scaler 2: 715.433 +- 0.884

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	190062	66563	38532	85390	43010	Pass
2	191334	67077	39049	85690	43297	Pass
3	190807	66280	38834	85157	43574	Pass
4	191063	66844	38938	85420	43391	Pass
5	191346	67018	39054	85664	43466	Pass
6	191841	66709	39256	86068	43506	Pass
7	190690	66836	38786	85154	43382	Pass
8	191656	67467	39180	85773	43599	Pass
9	190648	66537	38769	85311	43437	Pass
10	191036	66193	38927	85731	43469	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	3155.027	467.440	56.218	Pass
2	3176.237	467.393	38.031	Pass
3	3167.449	457.683	36.644	Pass
4	3171.718	465.357	44.605	Pass
5	3176.437	466.325	41.589	Pass
6	3184.691	457.802	32.784	Pass
7	3165.499	467.758	36.313	Pass
8	3181.606	471.714	42.275	Pass
9	3164.798	463.054	41.139	Pass
10	3171.268	454.680	35.039	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type:   
 Detector id: AVIS R-123  
 Electronics id:   
 Measurement date: 22.07.26 11:08:06  
 Results file name: 27QL0806.RTS  
 Inspection number:   
 Item id: K7-436  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Bottom

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 5051.210 +- 2.932  
 Doubles: 726.596 +- 1.816  
 Triples: 58.851 +- 2.025  
 Quads: 4.003 +- 1.076  
 Quads/Triples: 0.065 +- 0.015  
 Scaler 1: 2268.485 +- 2.155  
 Scaler 2: 1137.913 +- 0.851

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	304743	143241	99060	136602	69068	Pass
2	304095	142239	98638	136662	68723	Pass
3	304016	142335	98586	136555	68533	Pass
4	303738	141840	98407	136366	68579	Pass
5	303337	141626	98147	136856	68610	Pass
6	304215	142388	98716	135748	68826	Pass
7	304060	142346	98616	136292	68915	Pass
8	303031	141267	97949	136162	68768	Pass
9	303137	140875	98018	135805	68796	Pass
10	303278	141510	98109	135716	68801	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	5067.522	737.264	58.478	Pass
2	5056.714	727.581	59.900	Pass
3	5055.397	730.051	60.820	Pass
4	5050.760	724.775	52.196	Pass
5	5044.072	725.542	55.212	Pass
6	5058.716	728.766	74.919	Pass
7	5056.130	729.734	54.929	Pass
8	5038.968	722.853	61.179	Pass
9	5040.736	715.159	55.673	Pass
10	5043.088	724.240	55.186	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JM2G  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.26 15:33:43  
 Results file name: 27QP3343.RTS  
 Inspection number:  
 Item id: Q2-334  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Bottom #2

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 15199.538 +- 4.297  
 Doubles: 2194.462 +- 4.943  
 Triples: 185.186 +- 4.405  
 Quads: 19.145 +- 4.114  
 Quads/Triples: 0.100 +- 0.021  
 Scaler 1: 6819.917 +- 3.783  
 Scaler 2: 3423.237 +- 1.872

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	912410	1018596	887994	409865	205697	Pass
2	911439	1016032	886102	409593	205392	Pass
3	912847	1019993	888842	409194	206304	Pass
4	911610	1017844	886437	408668	206134	Pass
5	912471	1017817	888108	409779	205496	Pass
6	911563	1018343	886341	408647	205651	Pass
7	912179	1019044	887539	409954	205617	Pass
8	909904	1014461	883124	408293	206146	Pass
9	911531	1016826	886282	410600	205976	Pass
10	911734	1019469	886679	409030	206400	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	15210.248	2186.171	201.162	Pass
2	15194.029	2174.911	158.099	Pass
3	15217.548	2195.366	183.092	Pass
4	15196.885	2199.639	201.231	Pass
5	15211.267	2171.222	190.627	Pass
6	15196.100	2209.599	183.838	Pass
7	15206.390	2201.285	178.033	Pass
8	15168.389	2198.449	192.735	Pass
9	15195.566	2185.191	194.296	Pass
10	15198.956	2222.792	168.786	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JM2G  
 Detector id: AVIS R-123  
 Electronics id:  
 Measurement date: 22.07.26 13:57:07  
 Results file name: 27QN5707.RTS  
 Inspection number:  
 Item id: T1-349  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Bottom

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 13.402 +- 0.170  
 Passive doubles bkgrnd: 0.173 +- 0.082  
 Passive triples bkgrnd: 0.228 +- 0.208  
 Passive scaler1 bkgrnd: 2.788  
 Passive scaler2 bkgrnd: 8.118

Number passive cycles: 10  
 Count time (sec): 60

Results

Singles: 31774.031 +- 10.953  
 Doubles: 4579.677 +- 10.458  
 Triples: 357.291 +- 13.477  
 Quads: 21.138 +- 18.260  
 Quads/Triples: 0.047 +- 0.050  
 Scaler 1: 14234.197 +- 6.942  
 Scaler 2: 7145.147 +- 2.683

(1)

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1902926	4133639	3862545	854543	428783	Pass
2	1900092	4123924	3851039	852780	429187	Pass
3	1900882	4128672	3854237	853157	429692	Pass
4	1903196	4137879	3863639	854754	428979	Pass
5	1900039	4122813	3850829	852586	428587	Pass
6	1904764	4138530	3870000	854104	429856	Pass
7	1904180	4138179	3867632	853371	429840	Pass
8	1904719	4144695	3869823	855372	429414	Pass
9	1901840	4130690	3858119	854636	428422	Pass
10	1905858	4145947	3874444	856888	429199	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	31775.311	4559.963	358.653	Pass
2	31727.859	4590.026	411.182	Pass
3	31741.086	4616.117	436.911	Pass
4	31779.831	4612.888	354.494	Pass
5	31726.971	4574.869	351.543	Pass
6	31806.086	4516.873	308.767	Pass
7	31796.307	4550.789	308.184	Pass
8	31805.332	4623.554	383.338	Pass
9	31757.127	4584.783	322.022	Pass
10	31824.404	4566.908	338.120	Pass

(2)

## 【IPCA 性能確認試験】

### (1) 4.1 長期管理限界の妥当性確認