添 付 資 料

【線源情報】

線源証明書

Eckert & Ziegler
Isotope Products

24937 Avenue Tibbitts
Valencia, California 91355

Tel 661•309•1010
Fax 661•257•8303

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 = 10^3.
- Nuclear data was taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.

[redacted] [redacted] 5oct10
Name 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.

Nuclide	Mass %	Activity %
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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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:
- This document uses the numerical convention where 1.000 = 1 and 1,000 = 10^3.
- Nuclear data were taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
- ANSI classification is equivalent to ISO2919.

[redacted] [redacted] 4 Sep 13

Name 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.

Nuclide	Mass %	Activity %
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

[redacted] [redacted] 4 Sep 13

name, title 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 = 10^3.
- 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.

[redacted] [redacted] 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.

Nuclide	Mass %	Activity %
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

[redacted]

name, title

2017-12-13
date

IPL Form055-2 Rev. ---

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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:

Remarks:
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- 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.

[redacted] [redacted] 2020-09-25

Name **Date**

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Eckert & Ziegler
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www.ezag.com

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.

Nuclide	Mass %	Activity %
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

[redacted] [redacted] 2020-9-25

name, title date

IPL Form055-2 Rev. A

【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:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.04.20 15:36:27
Results file name:	14KP3627.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
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			21.04.20	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.04.20	

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

Passive error messages

No known alpha calibration

Results

Singles:	293.677	+-	0.537
Doubles:	3.120	+-	0.157
Triples:	0.000	+-	0.000
Scaler 1:	6.522	+-	0.130
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	17734	521	326	365	0	Pass
2	17588	522	350	393	0	Pass
3	17551	540	310	369	0	Pass
4	17692	528	348	372	0	Pass
5	17737	550	338	387	0	Pass
6	17490	494	339	433	0	Pass
7	17681	581	347	420	0	Pass
8	17626	499	325	376	0	Pass
9	17439	511	364	421	0	Pass
10	17668	511	338	377	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	295.567	3.250	0.000	0.000	Pass
2	293.133	2.867	0.000	0.000	Pass
3	292.517	3.833	0.000	0.000	Pass
4	294.867	3.000	0.000	0.000	Pass
5	295.617	3.533	0.000	0.000	Pass
6	291.500	2.583	0.000	0.000	Pass
7	294.683	3.900	0.000	0.000	Pass
8	293.767	2.900	0.000	0.000	Pass
9	290.650	2.450	0.000	0.000	Pass
10	294.467	2.883	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.04.20 15:20:22
Results file name:	14KP2022.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			21.04.20	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.04.20	

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

Passive error messages

Known alpha analysis error

Results

Singles:	5385.943	+-	2.028
Doubles:	1149.790	+-	3.490
Triples:	0.000	+-	0.000
Scaler 1:	18.245	+-	0.159
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	322462	179884	111017	1093	0	Pass
2	322502	179397	111335	1099	0	Pass
3	323266	180049	111382	1107	0	Pass
4	322829	179755	111833	1118	0	Pass
5	322867	180699	111263	1097	0	Pass
6	322837	179882	110933	1096	0	Pass
7	323215	180734	111778	1117	0	Pass
8	322982	179906	111782	1095	0	Pass
9	323512	181929	111873	1013	0	Pass
10	322302	179315	110861	1112	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5379.008	1151.753	0.000	0.000	Pass
2	5379.676	1138.291	0.000	0.000	Pass
3	5392.431	1148.418	0.000	0.000	Pass
4	5385.135	1135.953	0.000	0.000	Pass
5	5385.769	1161.274	0.000	0.000	Pass
6	5385.269	1153.129	0.000	0.000	Pass
7	5391.580	1153.251	0.000	0.000	Pass
8	5387.689	1139.333	0.000	0.000	Pass
9	5396.538	1171.652	0.000	0.000	Pass
10	5376.337	1144.844	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.04.20 15:05:18
Results file name:	14KP0518.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			21.04.20	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.04.20	

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

Passive error messages

Known alpha analysis error

Results

Singles:	154.412	+-	0.393
Doubles:	0.663	+-	0.075
Triples:	0.000	+-	0.000
Scaler 1:	283.157	+-	0.613
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9324	118	96	16997	0	Pass
2	9204	109	86	16895	0	Pass
3	9228	147	99	16878	0	Pass
4	9174	130	83	16890	0	Pass
5	9370	126	83	16957	0	Pass
6	9271	142	95	17056	0	Pass
7	9396	145	85	17004	0	Pass
8	9209	161	107	17255	0	Pass
9	9237	129	95	16897	0	Pass
10	9234	121	101	17065	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	155.400	0.367	0.000	0.000	Pass
2	153.400	0.383	0.000	0.000	Pass
3	153.800	0.800	0.000	0.000	Pass
4	152.900	0.783	0.000	0.000	Pass
5	156.167	0.717	0.000	0.000	Pass
6	154.517	0.783	0.000	0.000	Pass
7	156.600	1.000	0.000	0.000	Pass
8	153.483	0.900	0.000	0.000	Pass
9	153.950	0.567	0.000	0.000	Pass
10	153.900	0.333	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.04.20 16:22:39
Results file name:	14KQ2239.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			21.04.20	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.04.20	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	363.330	+-	0.792
Doubles:	4.788	+-	0.172
Triples:	0.000	+-	0.000
Scaler 1:	271.363	+-	0.894
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	21725	777	508	16244	0	Pass
2	21739	782	521	16171	0	Pass
3	21907	805	514	16093	0	Pass
4	21812	767	528	16137	0	Pass
5	21802	844	482	16429	0	Pass
6	21976	787	497	16381	0	Pass
7	21503	748	470	16474	0	Pass
8	21835	807	497	16426	0	Pass
9	21681	794	504	16014	0	Pass
10	22018	836	553	16449	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	362.083	4.483	0.000	0.000	Pass
2	362.317	4.350	0.000	0.000	Pass
3	365.117	4.850	0.000	0.000	Pass
4	363.533	3.983	0.000	0.000	Pass
5	363.367	6.033	0.000	0.000	Pass
6	366.267	4.833	0.000	0.000	Pass
7	358.383	4.633	0.000	0.000	Pass
8	363.917	5.167	0.000	0.000	Pass
9	361.350	4.833	0.000	0.000	Pass
10	366.967	4.717	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.04.20 16:05:35
Results file name:	14KQ0535.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		21.04.20	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.04.20	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	4407.456 +-	2.972
Doubles:	758.993 +-	2.285
Triples:	0.000 +-	0.000
Scaler 1:	36.605 +-	0.219
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	264075	119821	74354	2220	0	Pass
2	265521	120106	74659	2263	0	Pass
3	264305	120234	75073	2170	0	Pass
4	264680	120329	74963	2197	0	Pass
5	263327	119620	74215	2227	0	Pass
6	264391	120687	74180	2152	0	Pass
7	264704	119657	74643	2136	0	Pass
8	264064	119586	74324	2180	0	Pass
9	264192	120463	74580	2172	0	Pass
10	264207	119617	74427	2246	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4402.926	758.938	0.000	0.000	Pass
2	4427.044	758.610	0.000	0.000	Pass
3	4406.762	753.831	0.000	0.000	Pass
4	4413.017	757.255	0.000	0.000	Pass
5	4390.449	757.900	0.000	0.000	Pass
6	4408.196	776.299	0.000	0.000	Pass
7	4413.417	751.379	0.000	0.000	Pass
8	4402.742	755.516	0.000	0.000	Pass
9	4404.877	765.882	0.000	0.000	Pass
10	4405.127	754.315	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.04.20 15:51:31
Results file name:	14KP5131.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		21.04.20	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.04.20	

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

Passive error messages

No known alpha calibration

Results

Singles:	4.605 +-	0.080
Doubles:	0.003 +-	0.002
Triples:	0.000 +-	0.000
Scaler 1:	253.855 +-	0.488
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	280	1	0	15125	0	Pass
2	260	0	0	15253	0	Pass
3	289	0	0	15046	0	Pass
4	269	0	0	15248	0	Pass
5	260	1	0	15251	0	Pass
6	300	0	0	15319	0	Pass
7	259	0	0	15285	0	Pass
8	288	0	0	15359	0	Pass
9	267	0	0	15175	0	Pass
10	291	0	0	15252	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.667	0.017	0.000	0.000	Pass
2	4.333	0.000	0.000	0.000	Pass
3	4.817	0.000	0.000	0.000	Pass
4	4.483	0.000	0.000	0.000	Pass
5	4.333	0.017	0.000	0.000	Pass
6	5.000	0.000	0.000	0.000	Pass
7	4.317	0.000	0.000	0.000	Pass
8	4.800	0.000	0.000	0.000	Pass
9	4.450	0.000	0.000	0.000	Pass
10	4.850	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.05.26 12:53:45
Results file name:	15QM5345.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
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			21.05.26	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.05.26	

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

Passive error messages

No known alpha calibration

Results

Singles:	286.560	+-	0.666
Doubles:	3.433	+-	0.112
Triples:	0.000	+-	0.000
Scaler 1:	6.450	+-	0.052
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	17175	542	298	378	0	Pass
2	17360	515	316	377	0	Pass
3	17243	501	293	382	0	Pass
4	16977	500	288	386	0	Pass
5	17008	488	298	397	0	Pass
6	17206	460	296	394	0	Pass
7	17276	515	315	372	0	Pass
8	17123	532	330	395	0	Pass
9	17326	552	327	387	0	Pass
10	17242	512	296	402	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	286.250	4.067	0.000	0.000	Pass
2	289.333	3.317	0.000	0.000	Pass
3	287.383	3.467	0.000	0.000	Pass
4	282.950	3.533	0.000	0.000	Pass
5	283.467	3.167	0.000	0.000	Pass
6	286.767	2.733	0.000	0.000	Pass
7	287.933	3.333	0.000	0.000	Pass
8	285.383	3.367	0.000	0.000	Pass
9	288.767	3.750	0.000	0.000	Pass
10	287.367	3.600	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.05.26 11:11:18
Results file name:	15QL1118.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			21.05.26	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.05.26	

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

Passive error messages

Known alpha analysis error

Results

Singles:	5252.854	+-	3.912
Doubles:	1123.376	+-	5.007
Triples:	0.000	+-	0.000
Scaler 1:	17.513	+-	0.161
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	314588	171998	105620	1046	0	Pass
2	315795	174605	106717	1127	0	Pass
3	314664	172408	106102	1052	0	Pass
4	314683	173174	105630	1026	0	Pass
5	315988	175083	106754	1050	0	Pass
6	314403	172129	106452	1059	0	Pass
7	314488	173269	105041	1062	0	Pass
8	314875	173606	106858	1035	0	Pass
9	313711	171785	103708	1035	0	Pass
10	315862	173981	107399	1016	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5247.550	1110.033	0.000	0.000	Pass
2	5267.701	1135.299	0.000	0.000	Pass
3	5248.819	1108.830	0.000	0.000	Pass
4	5249.136	1129.533	0.000	0.000	Pass
5	5270.923	1142.676	0.000	0.000	Pass
6	5244.462	1098.308	0.000	0.000	Pass
7	5245.881	1140.969	0.000	0.000	Pass
8	5252.342	1116.224	0.000	0.000	Pass
9	5232.909	1138.434	0.000	0.000	Pass
10	5268.820	1113.459	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.05.26 10:54:14
Results file name:	15QK5414.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		21.05.26	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.05.26	

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

Passive error messages

Known alpha analysis error

Results

Singles:	150.187 +- 0.444
Doubles:	0.728 +- 0.075
Triples:	0.000 +- 0.000
Scaler 1:	276.342 +- 0.871
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8899	132	74	16659	0	Pass
2	9115	148	106	16687	0	Pass
3	9008	147	81	16592	0	Pass
4	8996	150	86	16614	0	Pass
5	9137	118	92	16283	0	Pass
6	8987	122	92	16509	0	Pass
7	8944	116	84	16785	0	Pass
8	9105	149	105	16785	0	Pass
9	9012	121	83	16527	0	Pass
10	8909	127	90	16364	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	148.317	0.967	0.000	0.000	Pass
2	151.917	0.700	0.000	0.000	Pass
3	150.133	1.100	0.000	0.000	Pass
4	149.933	1.067	0.000	0.000	Pass
5	152.283	0.433	0.000	0.000	Pass
6	149.783	0.500	0.000	0.000	Pass
7	149.067	0.533	0.000	0.000	Pass
8	151.750	0.733	0.000	0.000	Pass
9	150.200	0.633	0.000	0.000	Pass
10	148.483	0.617	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.05.26 13:57:02
Results file name:	15QN5702.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		21.05.26	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.05.26	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	353.257 +- 0.944
Doubles:	4.490 +- 0.305
Triples:	0.000 +- 0.000
Scaler 1:	264.672 +- 0.623
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	21011	690	474	16030	0	Pass
2	21262	804	452	15875	0	Pass
3	21073	670	451	15782	0	Pass
4	21268	796	488	15784	0	Pass
5	21467	715	530	15905	0	Pass
6	21260	733	518	16093	0	Pass
7	21009	742	462	15863	0	Pass
8	21380	800	473	15944	0	Pass
9	21298	768	500	15822	0	Pass
10	20926	802	478	15705	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	350.183	3.600	0.000	0.000	Pass
2	354.367	5.867	0.000	0.000	Pass
3	351.217	3.650	0.000	0.000	Pass
4	354.467	5.133	0.000	0.000	Pass
5	357.783	3.083	0.000	0.000	Pass
6	354.333	3.583	0.000	0.000	Pass
7	350.150	4.667	0.000	0.000	Pass
8	356.333	5.450	0.000	0.000	Pass
9	354.967	4.467	0.000	0.000	Pass
10	348.767	5.400	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.05.26 13:41:58
Results file name:	15QN4158.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			21.05.26	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.05.26	

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
Number passive cycles:	9
Count time (sec):	60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	4291.090	+-	2.978
Doubles:	735.064	+-	2.468
Triples:	0.000	+-	0.000
Scaler 1:	35.920	+-	0.412
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	256532	114267	69996	2182	0	Pass
2	257333	114421	70839	1998	0	Pass
3	257882	114924	70379	2284	0	Pass
4	257431	114641	71123	2181	0	Pass
5	257385	115127	70702	2148	0	Pass
6	258231	115392	71230	2129	0	Pass
7	256753	113974	70469	2141	0	Pass
8	257709	114786	70229	2173	0	Pass
9	257073	113905	70124	2161	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4277.115	738.942	0.000	0.000	Pass
2	4290.474	727.445	0.000	0.000	Pass
3	4299.631	743.521	0.000	0.000	Pass
4	4292.109	726.377	0.000	0.000	Pass
5	4291.342	741.516	0.000	0.000	Pass
6	4305.452	737.130	0.000	0.000	Pass
7	4280.801	726.157	0.000	0.000	Pass
8	4296.746	743.721	0.000	0.000	Pass
9	4286.138	730.766	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.05.26 13:23:52
Results file name:	15QN2352.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			21.05.26	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.05.26	

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

Passive error messages

No known alpha calibration

Results

Singles:	4.455	+-	0.072
Doubles:	-0.002	+-	0.003
Triples:	0.000	+-	0.000
Scaler 1:	248.272	+-	0.560
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	260	0	0	14760	0	Pass
2	264	0	0	14992	0	Pass
3	263	0	0	14856	0	Pass
4	261	0	0	14967	0	Pass
5	245	1	0	14693	0	Pass
6	289	0	1	14884	0	Pass
7	283	0	0	14946	0	Pass
8	263	0	0	14933	0	Pass
9	284	0	1	15044	0	Pass
10	261	0	0	14888	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.333	0.000	0.000	0.000	Pass
2	4.400	0.000	0.000	0.000	Pass
3	4.383	0.000	0.000	0.000	Pass
4	4.350	0.000	0.000	0.000	Pass
5	4.083	0.017	0.000	0.000	Pass
6	4.817	-0.017	0.000	0.000	Pass
7	4.717	0.000	0.000	0.000	Pass
8	4.383	0.000	0.000	0.000	Pass
9	4.733	-0.017	0.000	0.000	Pass
10	4.350	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.06.23 10:24:48
Results file name:	16NK2448.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
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			21.06.23	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.06.23	

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

Passive error messages

No known alpha calibration

Results

Singles:	281.313	+-	0.964
Doubles:	2.943	+-	0.143
Triples:	0.000	+-	0.000
Scaler 1:	6.260	+-	0.137
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	16643	483	336	355	0	Pass
2	17230	546	324	373	0	Pass
3	16980	487	325	374	0	Pass
4	17061	436	304	360	0	Pass
5	16882	462	295	432	0	Pass
6	16699	492	284	373	0	Pass
7	16970	484	292	367	0	Pass
8	16832	477	305	337	0	Pass
9	16730	467	293	388	0	Pass
10	16761	485	295	397	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	277.383	2.450	0.000	0.000	Pass
2	287.167	3.700	0.000	0.000	Pass
3	283.000	2.700	0.000	0.000	Pass
4	284.350	2.200	0.000	0.000	Pass
5	281.367	2.783	0.000	0.000	Pass
6	278.317	3.467	0.000	0.000	Pass
7	282.833	3.200	0.000	0.000	Pass
8	280.533	2.867	0.000	0.000	Pass
9	278.833	2.900	0.000	0.000	Pass
10	279.350	3.167	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.06.23 10:09:42
Results file name:	16NK0942.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			21.06.23	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.06.23	

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

Passive error messages

Known alpha analysis error

Results

Singles:	5146.282	+-	3.619
Doubles:	1101.048	+-	3.187
Triples:	0.000	+-	0.000
Scaler 1:	17.268	+-	0.153
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	308048	167045	100905	978	0	Pass
2	308564	167795	101575	1048	0	Pass
3	307871	167128	101385	1069	0	Pass
4	309117	167195	102200	1020	0	Pass
5	308132	167942	101474	1015	0	Pass
6	309067	167937	102019	1030	0	Pass
7	308205	167315	101692	1024	0	Pass
8	309945	167827	102453	1073	0	Pass
9	308555	166398	101310	1041	0	Pass
10	307716	167423	100542	1063	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5138.369	1105.975	0.000	0.000	Pass
2	5146.983	1107.319	0.000	0.000	Pass
3	5135.414	1099.335	0.000	0.000	Pass
4	5156.215	1086.841	0.000	0.000	Pass
5	5139.771	1111.461	0.000	0.000	Pass
6	5155.380	1102.275	0.000	0.000	Pass
7	5140.990	1097.332	0.000	0.000	Pass
8	5170.038	1093.189	0.000	0.000	Pass
9	5146.833	1088.390	0.000	0.000	Pass
10	5132.826	1118.362	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.06.23 09:53:37
Results file name:	16NJ5337.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			21.06.23	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.06.23	

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

Passive error messages

Known alpha analysis error

Results

Singles:	147.743	+-	0.685
Doubles:	0.703	+-	0.063
Triples:	0.000	+-	0.000
Scaler 1:	271.437	+-	0.670
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8741	125	97	16390	0	Pass
2	8925	119	79	16254	0	Pass
3	8972	117	95	16255	0	Pass
4	8835	128	92	16186	0	Pass
5	8947	121	73	16511	0	Pass
6	8923	137	76	16436	0	Pass
7	8783	130	77	16096	0	Pass
8	8907	125	85	16284	0	Pass
9	9025	150	96	16170	0	Pass
10	8588	125	85	16280	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	145.683	0.467	0.000	0.000	Pass
2	148.750	0.667	0.000	0.000	Pass
3	149.533	0.367	0.000	0.000	Pass
4	147.250	0.600	0.000	0.000	Pass
5	149.117	0.800	0.000	0.000	Pass
6	148.717	1.017	0.000	0.000	Pass
7	146.383	0.883	0.000	0.000	Pass
8	148.450	0.667	0.000	0.000	Pass
9	150.417	0.900	0.000	0.000	Pass
10	143.133	0.667	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.06.23 11:11:04
Results file name:	16NL1104.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			21.06.23	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.06.23	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	346.652	+-	0.717
Doubles:	4.405	+-	0.173
Triples:	0.000	+-	0.000
Scaler 1:	258.090	+-	0.393
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	20910	715	464	15470	0	Pass
2	20823	725	491	15530	0	Pass
3	20733	735	441	15399	0	Pass
4	20913	743	444	15622	0	Pass
5	20467	695	459	15434	0	Pass
6	20722	715	421	15430	0	Pass
7	20815	761	501	15460	0	Pass
8	20884	699	487	15568	0	Pass
9	20813	705	451	15407	0	Pass
10	20911	749	440	15534	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	348.500	4.183	0.000	0.000	Pass
2	347.050	3.900	0.000	0.000	Pass
3	345.550	4.900	0.000	0.000	Pass
4	348.550	4.983	0.000	0.000	Pass
5	341.117	3.933	0.000	0.000	Pass
6	345.367	4.900	0.000	0.000	Pass
7	346.917	4.333	0.000	0.000	Pass
8	348.067	3.533	0.000	0.000	Pass
9	346.883	4.233	0.000	0.000	Pass
10	348.517	5.150	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.06.23 10:56:00
Results file name:	16NK5600.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		21.06.23	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.06.23	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	4204.955 +-	3.437
Doubles:	719.856 +-	2.892
Triples:	0.000 +-	0.000
Scaler 1:	34.788 +-	0.239
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	252434	111422	67385	2068	0	Pass
2	251668	110598	67777	2020	0	Pass
3	251795	110258	67658	2096	0	Pass
4	251832	111044	67404	2169	0	Pass
5	252265	110443	67896	2112	0	Pass
6	252873	112116	68588	2072	0	Pass
7	253466	111746	68680	2095	0	Pass
8	252619	111504	67980	2132	0	Pass
9	251785	110962	67805	2025	0	Pass
10	251319	109590	67224	2084	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4208.764	735.019	0.000	0.000	Pass
2	4195.988	714.720	0.000	0.000	Pass
3	4198.107	711.031	0.000	0.000	Pass
4	4198.724	728.390	0.000	0.000	Pass
5	4205.946	710.149	0.000	0.000	Pass
6	4216.086	726.525	0.000	0.000	Pass
7	4225.977	718.816	0.000	0.000	Pass
8	4211.850	726.457	0.000	0.000	Pass
9	4197.940	720.328	0.000	0.000	Pass
10	4190.168	707.124	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.06.23 10:40:52
Results file name:	16NK4052.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		21.06.23	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.06.23	

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

Passive error messages

No known alpha calibration

Results

Singles:	4.357 +-	0.075
Doubles:	-0.005 +-	0.004
Triples:	0.000 +-	0.000
Scaler 1:	243.883 +-	0.412
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	273	0	0	14768	0	Pass
2	252	0	1	14640	0	Pass
3	271	0	1	14565	0	Pass
4	283	1	0	14573	0	Pass
5	238	0	1	14700	0	Pass
6	247	0	0	14616	0	Pass
7	272	0	1	14690	0	Pass
8	268	0	0	14491	0	Pass
9	250	0	0	14633	0	Pass
10	260	0	0	14654	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.550	0.000	0.000	0.000	Pass
2	4.200	-0.017	0.000	0.000	Pass
3	4.517	-0.017	0.000	0.000	Pass
4	4.717	0.017	0.000	0.000	Pass
5	3.967	-0.017	0.000	0.000	Pass
6	4.117	0.000	0.000	0.000	Pass
7	4.533	-0.017	0.000	0.000	Pass
8	4.467	0.000	0.000	0.000	Pass
9	4.167	0.000	0.000	0.000	Pass
10	4.333	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.07.08 09:59:16
Results file name:	178J5916.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
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			21.07.08	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.07.08	

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

Passive error messages

No known alpha calibration

Results

Singles:	277.687	+-	0.704
Doubles:	3.020	+-	0.115
Triples:	0.000	+-	0.000
Scaler 1:	6.175	+-	0.097
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	16713	494	268	364	0	Pass
2	16663	474	317	372	0	Pass
3	16826	475	305	342	0	Pass
4	16916	513	337	349	0	Pass
5	16649	485	312	388	0	Pass
6	16682	467	292	392	0	Pass
7	16575	464	260	388	0	Pass
8	16588	478	285	376	0	Pass
9	16483	451	297	350	0	Pass
10	16517	464	280	384	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	278.550	3.767	0.000	0.000	Pass
2	277.717	2.617	0.000	0.000	Pass
3	280.433	2.833	0.000	0.000	Pass
4	281.933	2.933	0.000	0.000	Pass
5	277.483	2.883	0.000	0.000	Pass
6	278.033	2.917	0.000	0.000	Pass
7	276.250	3.400	0.000	0.000	Pass
8	276.467	3.217	0.000	0.000	Pass
9	274.717	2.567	0.000	0.000	Pass
10	275.283	3.067	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.07.08 13:53:18
Results file name:	178N5318.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:	Initial

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			21.07.08	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.07.08	

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
Number passive cycles:	20
Count time (sec):	60

Passive error messages

No known alpha calibration

Results

Singles:	278.307	+-	0.494
Doubles:	2.955	+-	0.073
Triples:	0.000	+-	0.000
Scaler 1:	6.255	+-	0.069
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	16706	538	345	362	0	Pass
2	16863	461	332	372	0	Pass
3	16745	471	275	376	0	Pass
4	16865	491	309	369	0	Pass
5	16681	497	307	382	0	Pass
6	16731	479	322	343	0	Pass
7	16568	470	268	373	0	Pass
8	16861	461	296	362	0	Pass
9	16525	459	264	335	0	Pass
10	16674	516	327	380	0	Pass
11	16768	496	312	385	0	Pass
12	16982	507	307	364	0	Pass
13	16695	483	295	391	0	Pass
14	16664	459	308	402	0	Pass
15	16511	492	308	368	0	Pass
16	16575	488	310	386	0	Pass
17	16821	449	299	414	0	Pass
18	16565	458	291	393	0	Pass
19	16534	461	297	385	0	Pass
20	16634	486	304	364	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	278.433	3.217	0.000	0.000	Pass
2	281.050	2.150	0.000	0.000	Pass
3	279.083	3.267	0.000	0.000	Pass
4	281.083	3.033	0.000	0.000	Pass
5	278.017	3.167	0.000	0.000	Pass
6	278.850	2.617	0.000	0.000	Pass
7	276.133	3.367	0.000	0.000	Pass
8	281.017	2.750	0.000	0.000	Pass
9	275.417	3.250	0.000	0.000	Pass
10	277.900	3.150	0.000	0.000	Pass

11	279.467	3.067	0.000	0.000	Pass
12	283.033	3.333	0.000	0.000	Pass
13	278.250	3.133	0.000	0.000	Pass
14	277.733	2.517	0.000	0.000	Pass
15	275.183	3.067	0.000	0.000	Pass
16	276.250	2.967	0.000	0.000	Pass
17	280.350	2.500	0.000	0.000	Pass
18	276.083	2.783	0.000	0.000	Pass
19	275.567	2.733	0.000	0.000	Pass
20	277.233	3.033	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.07.08 09:44:44
Results file name:	178J4444.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			21.07.08	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.07.08	

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

Passive error messages

Known alpha analysis error

Results

Singles:	5099.743 +-	2.534
Doubles:	1094.432 +-	3.118
Triples:	0.000 +-	0.000
Scaler 1:	17.235 +-	0.189
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	306114	165583	99712	1015	0	Pass
2	305690	165879	100293	983	0	Pass
3	305647	164545	100065	1011	0	Pass
4	306147	165464	100076	1079	0	Pass
5	304869	164338	99739	1059	0	Pass
6	304961	164491	98948	1000	0	Pass
7	306053	165620	99712	1026	0	Pass
8	306212	165627	99439	1099	0	Pass
9	305993	165644	100668	1037	0	Pass
10	305657	164721	98747	1032	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5106.082	1101.454	0.000	0.000	Pass
2	5099.004	1096.684	0.000	0.000	Pass
3	5098.286	1078.189	0.000	0.000	Pass
4	5106.633	1093.378	0.000	0.000	Pass
5	5085.298	1080.170	0.000	0.000	Pass
6	5086.834	1095.956	0.000	0.000	Pass
7	5105.064	1102.072	0.000	0.000	Pass
8	5107.718	1106.756	0.000	0.000	Pass
9	5104.062	1086.487	0.000	0.000	Pass
10	5098.453	1103.171	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.07.08 09:27:40
Results file name:	178J2740.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			21.07.08	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.07.08	

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

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

Passive error messages

Known alpha analysis error

Results

Singles:	146.262 +-	0.395
Doubles:	0.845 +-	0.075
Triples:	0.000 +-	0.000
Scaler 1:	267.672 +-	0.823
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8854	138	82	15862	0	Pass
2	8852	149	80	16135	0	Pass
3	8779	123	92	16266	0	Pass
4	8797	130	81	15992	0	Pass
5	8777	135	69	15766	0	Pass
6	8638	119	74	16136	0	Pass
7	8671	114	75	15987	0	Pass
8	8759	128	96	16203	0	Pass
9	8864	133	82	16140	0	Pass
10	8766	148	79	16116	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	147.567	0.933	0.000	0.000	Pass
2	147.533	1.150	0.000	0.000	Pass
3	146.317	0.517	0.000	0.000	Pass
4	146.617	0.817	0.000	0.000	Pass
5	146.283	1.100	0.000	0.000	Pass
6	143.967	0.750	0.000	0.000	Pass
7	144.517	0.650	0.000	0.000	Pass
8	145.983	0.533	0.000	0.000	Pass
9	147.733	0.850	0.000	0.000	Pass
10	146.100	1.150	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.07.08 13:22:43
Results file name:	178N2243.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:	Initial

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		21.07.08	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.07.08	

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

Number passive cycles: 20
Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	146.452 +-	0.321
Doubles:	0.797 +-	0.049
Triples:	0.000 +-	0.000
Scaler 1:	267.571 +-	0.437
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8741	130	86	15990	0	Pass
2	8801	138	95	15937	0	Pass
3	8829	136	83	16067	0	Pass
4	8638	110	86	16032	0	Pass
5	8759	138	58	16226	0	Pass
6	8849	128	89	16263	0	Pass
7	8838	122	86	15897	0	Pass
8	8777	131	88	16053	0	Pass
9	8862	144	81	16269	0	Pass
10	8682	126	89	15942	0	Pass
11	8819	133	63	16070	0	Pass
12	8912	130	86	16073	0	Pass
13	8636	116	80	16040	0	Pass
14	8934	124	77	16156	0	Pass
15	8719	124	85	16199	0	Pass
16	8851	122	74	15930	0	Pass
17	8834	138	80	15941	0	Pass
18	8665	125	69	16097	0	Pass
19	8758	130	88	15987	0	Pass
20	8839	142	87	15916	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	145.683	0.733	0.000	0.000	Pass
2	146.683	0.717	0.000	0.000	Pass
3	147.150	0.883	0.000	0.000	Pass
4	143.967	0.400	0.000	0.000	Pass
5	145.983	1.333	0.000	0.000	Pass
6	147.483	0.650	0.000	0.000	Pass
7	147.300	0.600	0.000	0.000	Pass
8	146.283	0.717	0.000	0.000	Pass
9	147.700	1.050	0.000	0.000	Pass
10	144.700	0.617	0.000	0.000	Pass

11	146.983	1.167	0.000	0.000	Pass
12	148.533	0.733	0.000	0.000	Pass
13	143.933	0.600	0.000	0.000	Pass
14	148.900	0.783	0.000	0.000	Pass
15	145.317	0.650	0.000	0.000	Pass
16	147.517	0.800	0.000	0.000	Pass
17	147.233	0.967	0.000	0.000	Pass
18	144.417	0.933	0.000	0.000	Pass
19	145.967	0.700	0.000	0.000	Pass
20	147.317	0.917	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.07.08 10:46:04
Results file name:	178K4604.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			21.07.08	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.07.08	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	342.537	+-	0.687
Doubles:	4.424	+-	0.265
Triples:	0.000	+-	0.000
Scaler 1:	256.248	+-	0.635
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	20490	680	466	15352	0	Pass
2	20363	722	474	15389	0	Pass
3	20492	690	502	15204	0	Pass
4	20853	737	457	15562	0	Pass
5	20508	722	430	15486	0	Pass
6	20603	696	463	15303	0	Pass
7	20616	677	428	15233	0	Pass
8	20608	781	425	15346	0	Pass
9	20489	739	416	15536	0	Pass
10	20494	701	430	15338	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	341.510	3.567	0.000	0.000	Pass
2	339.393	4.134	0.000	0.000	Pass
3	341.543	3.134	0.000	0.000	Pass
4	347.560	4.667	0.000	0.000	Pass
5	341.810	4.867	0.000	0.000	Pass
6	343.394	3.884	0.000	0.000	Pass
7	343.610	4.150	0.000	0.000	Pass
8	343.477	5.934	0.000	0.000	Pass
9	341.493	5.384	0.000	0.000	Pass
10	341.577	4.517	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.07.08 14:21:01
Results file name:	17802101.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:	Initial

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			21.07.08	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.07.08	

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:	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
Number passive cycles:	20
Count time (sec):	60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	343.439	+-	0.495
Doubles:	4.628	+-	0.138
Triples:	0.000	+-	0.000
Scaler 1:	257.083	+-	0.420
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	20660	740	491	15555	0	Pass
2	20906	801	445	15360	0	Pass
3	20573	711	467	15468	0	Pass
4	20541	695	428	15212	0	Pass
5	20614	717	477	15661	0	Pass
6	20662	708	470	15453	0	Pass
7	20516	737	425	15394	0	Pass
8	20463	719	448	15471	0	Pass
9	20648	736	476	15405	0	Pass
10	20547	750	488	15404	0	Pass
11	20677	744	396	15352	0	Pass
12	20360	714	464	15383	0	Pass
13	20439	739	429	15525	0	Pass
14	20733	746	444	15450	0	Pass
15	20743	753	473	15552	0	Pass
16	20688	747	438	15225	0	Pass
17	20530	728	491	15379	0	Pass
18	20468	698	461	15297	0	Pass
19	20548	686	420	15391	0	Pass
20	20798	740	425	15563	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	344.344	4.150	0.000	0.000	Pass
2	348.444	5.934	0.000	0.000	Pass
3	342.893	4.067	0.000	0.000	Pass
4	342.360	4.451	0.000	0.000	Pass
5	343.577	4.000	0.000	0.000	Pass
6	344.377	3.967	0.000	0.000	Pass
7	341.943	5.201	0.000	0.000	Pass
8	341.060	4.517	0.000	0.000	Pass
9	344.144	4.334	0.000	0.000	Pass

10	342.460	4.367	0.000	0.000	Pass
11	344.627	5.801	0.000	0.000	Pass
12	339.343	4.167	0.000	0.000	Pass
13	340.660	5.167	0.000	0.000	Pass
14	345.560	5.034	0.000	0.000	Pass
15	345.727	4.667	0.000	0.000	Pass
16	344.810	5.151	0.000	0.000	Pass
17	342.177	3.950	0.000	0.000	Pass
18	341.143	3.950	0.000	0.000	Pass
19	342.477	4.434	0.000	0.000	Pass
20	346.644	5.251	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF			
Material balance area:	JM2G			
Detector type:	AFAS			
Detector id:	JSR_03			
Electronics id:	JSR-12			
Inventory change code:				
I/O code:				
Measurement date:	21.07.08 10:30:00			
Results file name:	178K3000.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		21.07.08	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.07.08	
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:	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
Number passive cycles:	10
Count time (sec):	60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	4168.754 +-	4.268
Doubles:	715.978 +-	2.546
Triples:	0.000 +-	0.000
Scaler 1:	34.840 +-	0.250
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	250746	110163	66888	2065	0	Pass
2	249682	109362	65777	2058	0	Pass
3	249219	108594	66236	2098	0	Pass
4	250284	109894	66619	2045	0	Pass
5	248868	108862	66170	2159	0	Pass
6	250648	110336	67342	2021	0	Pass
7	248896	108527	66038	2119	0	Pass
8	250254	109875	66415	2162	0	Pass
9	251008	110089	67504	2111	0	Pass
10	250746	109858	67603	2066	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4180.611	722.293	0.000	0.000	Pass
2	4162.865	727.463	0.000	0.000	Pass
3	4155.142	706.982	0.000	0.000	Pass
4	4172.905	722.292	0.000	0.000	Pass
5	4149.288	712.555	0.000	0.000	Pass
6	4178.976	717.603	0.000	0.000	Pass
7	4149.755	709.167	0.000	0.000	Pass
8	4172.405	725.379	0.000	0.000	Pass
9	4184.980	710.778	0.000	0.000	Pass
10	4180.611	705.269	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF			
Material balance area:	JM2G			
Detector type:	AFAS			
Detector id:	JSR_02			
Electronics id:	JSR-12			
Inventory change code:				
I/O code:				
Measurement date:	21.07.08 10:14:20			
Results file name:	178K1420.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		21.07.08	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.07.08	
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

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

Passive error messages

No known alpha calibration

Results

Singles:	4.427 +-	0.081
Doubles:	0.002 +-	0.002
Triples:	0.000 +-	0.000
Scaler 1:	240.142 +-	0.668
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	282	1	0	14526	0	Pass
2	251	0	0	14461	0	Pass
3	266	0	0	14467	0	Pass
4	284	0	0	14306	0	Pass
5	262	0	0	14239	0	Pass
6	249	0	0	14449	0	Pass
7	272	0	0	14300	0	Pass
8	283	0	0	14374	0	Pass
9	267	0	0	14308	0	Pass
10	240	0	0	14655	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.700	0.017	0.000	0.000	Pass
2	4.183	0.000	0.000	0.000	Pass
3	4.433	0.000	0.000	0.000	Pass
4	4.733	0.000	0.000	0.000	Pass
5	4.367	0.000	0.000	0.000	Pass
6	4.150	0.000	0.000	0.000	Pass
7	4.533	0.000	0.000	0.000	Pass
8	4.717	0.000	0.000	0.000	Pass
9	4.450	0.000	0.000	0.000	Pass
10	4.000	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.07.08 14:45:33
Results file name:	17804533.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:	Initial

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		21.07.08	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.07.08	

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

Number passive cycles: 20
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	4.365 +-	0.063
Doubles:	0.004 +-	0.002
Triples:	0.000 +-	0.000
Scaler 1:	240.251 +-	0.532
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	260	0	0	14529	0	Pass
2	288	1	0	14642	0	Pass
3	260	0	0	14416	0	Pass
4	249	0	0	14426	0	Pass
5	256	0	0	14714	0	Pass
6	244	1	0	14158	0	Pass
7	264	0	0	14526	0	Pass
8	252	1	0	14389	0	Pass
9	248	0	0	14566	0	Pass
10	261	0	0	14267	0	Pass
11	244	0	0	14321	0	Pass
12	306	0	0	14325	0	Pass
13	277	1	0	14377	0	Pass
14	238	0	0	14556	0	Pass
15	269	0	0	14463	0	Pass
16	274	0	0	14288	0	Pass
17	280	0	0	14292	0	Pass
18	244	0	0	14421	0	Pass
19	265	1	0	14223	0	Pass
20	259	0	0	14402	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.333	0.000	0.000	0.000	Pass
2	4.800	0.017	0.000	0.000	Pass
3	4.333	0.000	0.000	0.000	Pass
4	4.150	0.000	0.000	0.000	Pass
5	4.267	0.000	0.000	0.000	Pass
6	4.067	0.017	0.000	0.000	Pass
7	4.400	0.000	0.000	0.000	Pass
8	4.200	0.017	0.000	0.000	Pass
9	4.133	0.000	0.000	0.000	Pass
10	4.350	0.000	0.000	0.000	Pass

11	4.067	0.000	0.000	0.000	Pass
12	5.100	0.000	0.000	0.000	Pass
13	4.617	0.017	0.000	0.000	Pass
14	3.967	0.000	0.000	0.000	Pass
15	4.483	0.000	0.000	0.000	Pass
16	4.567	0.000	0.000	0.000	Pass
17	4.667	0.000	0.000	0.000	Pass
18	4.067	0.000	0.000	0.000	Pass
19	4.417	0.017	0.000	0.000	Pass
20	4.317	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.08.18 10:38:37
Results file name:	18IK3837.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			21.08.18	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.08.18	

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

Passive error messages

No known alpha calibration

Results

Singles:	271.400	+-	0.693
Doubles:	2.920	+-	0.118
Triples:	0.000	+-	0.000
Scaler 1:	6.108	+-	0.094
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	16306	464	299	382	0	Pass
2	16505	481	307	359	0	Pass
3	16185	434	283	390	0	Pass
4	16090	476	272	360	0	Pass
5	16443	495	328	356	0	Pass
6	16204	429	263	345	0	Pass
7	16151	427	281	380	0	Pass
8	16258	461	292	392	0	Pass
9	16340	510	296	346	0	Pass
10	16358	484	288	355	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	271.767	2.750	0.000	0.000	Pass
2	275.083	2.900	0.000	0.000	Pass
3	269.750	2.517	0.000	0.000	Pass
4	268.167	3.400	0.000	0.000	Pass
5	274.050	2.783	0.000	0.000	Pass
6	270.067	2.767	0.000	0.000	Pass
7	269.183	2.433	0.000	0.000	Pass
8	270.967	2.817	0.000	0.000	Pass
9	272.333	3.567	0.000	0.000	Pass
10	272.633	3.267	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.08.18 10:22:32
Results file name:	18IK2232.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:	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			21.08.18	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.08.18	

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

Passive error messages

Known alpha analysis error

Results

Singles:	4938.616	+-	3.035
Doubles:	1058.554	+-	3.368
Triples:	0.000	+-	0.000
Scaler 1:	16.552	+-	0.150
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	296284	156461	93206	972	0	Pass
2	295130	156787	92681	955	0	Pass
3	296455	156316	93293	1041	0	Pass
4	295697	156952	92396	1018	0	Pass
5	295735	155916	93203	991	0	Pass
6	295644	156833	93531	1010	0	Pass
7	297217	157471	94251	987	0	Pass
8	296407	156658	93761	1022	0	Pass
9	296248	156110	93670	964	0	Pass
10	296005	156953	93343	971	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4941.984	1057.600	0.000	0.000	Pass
2	4922.721	1071.815	0.000	0.000	Pass
3	4944.839	1053.723	0.000	0.000	Pass
4	4932.186	1079.345	0.000	0.000	Pass
5	4932.820	1048.531	0.000	0.000	Pass
6	4931.301	1058.378	0.000	0.000	Pass
7	4957.559	1057.025	0.000	0.000	Pass
8	4944.038	1051.615	0.000	0.000	Pass
9	4941.383	1043.973	0.000	0.000	Pass
10	4937.327	1063.532	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.08.18 10:00:26
Results file name:	18IK0026.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:	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		21.08.18	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.08.18	

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

Passive error messages

Known alpha analysis error

Results

Singles:	141.800 +- 0.525
Doubles:	0.730 +- 0.062
Triples:	0.000 +- 0.000
Scaler 1:	259.552 +- 0.575
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8393	125	80	15805	0	Pass
2	8547	144	76	15448	0	Pass
3	8663	136	88	15651	0	Pass
4	8347	121	75	15518	0	Pass
5	8565	119	78	15537	0	Pass
6	8398	129	83	15559	0	Pass
7	8552	124	88	15655	0	Pass
8	8489	119	84	15457	0	Pass
9	8584	125	75	15604	0	Pass
10	8542	100	77	15497	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	139.883	0.750	0.000	0.000	Pass
2	142.450	1.133	0.000	0.000	Pass
3	144.383	0.800	0.000	0.000	Pass
4	139.117	0.767	0.000	0.000	Pass
5	142.750	0.683	0.000	0.000	Pass
6	139.967	0.767	0.000	0.000	Pass
7	142.533	0.600	0.000	0.000	Pass
8	141.483	0.583	0.000	0.000	Pass
9	143.067	0.833	0.000	0.000	Pass
10	142.367	0.383	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.08.18 11:23:45
Results file name:	18IL2345.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:	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		21.08.18	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.08.18	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	335.338 +- 0.601
Doubles:	4.605 +- 0.180
Triples:	0.000 +- 0.000
Scaler 1:	248.162 +- 0.526
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	20159	729	409	14789	0	Pass
2	20144	688	432	14814	0	Pass
3	19872	705	457	15024	0	Pass
4	20112	713	386	14768	0	Pass
5	20320	684	444	14964	0	Pass
6	20153	726	443	15053	0	Pass
7	20152	718	427	14936	0	Pass
8	20018	698	393	14856	0	Pass
9	20150	673	444	14818	0	Pass
10	20123	711	447	14875	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	335.983	5.333	0.000	0.000	Pass
2	335.733	4.267	0.000	0.000	Pass
3	331.200	4.133	0.000	0.000	Pass
4	335.200	5.450	0.000	0.000	Pass
5	338.667	4.000	0.000	0.000	Pass
6	335.883	4.717	0.000	0.000	Pass
7	335.867	4.850	0.000	0.000	Pass
8	333.633	5.083	0.000	0.000	Pass
9	335.833	3.817	0.000	0.000	Pass
10	335.383	4.400	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.08.18 11:08:41
Results file name:	18IL0841.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:	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			21.08.18	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.08.18	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	4045.585	+-	3.367
Doubles:	692.638	+-	2.253
Triples:	0.000	+-	0.000
Scaler 1:	33.615	+-	0.224
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	242293	104314	62875	2006	0	Pass
2	243931	105127	63394	1963	0	Pass
3	242634	104383	62745	2116	0	Pass
4	241767	103882	62612	2014	0	Pass
5	242637	104555	62784	2056	0	Pass
6	241885	103329	62371	2003	0	Pass
7	243232	105325	63060	2000	0	Pass
8	242466	103730	62904	2027	0	Pass
9	243050	104388	62616	1986	0	Pass
10	242607	104238	62908	1998	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4039.627	691.615	0.000	0.000	Pass
2	4066.946	696.529	0.000	0.000	Pass
3	4045.314	694.938	0.000	0.000	Pass
4	4030.854	688.793	0.000	0.000	Pass
5	4045.365	697.158	0.000	0.000	Pass
6	4032.822	683.586	0.000	0.000	Pass
7	4055.288	705.405	0.000	0.000	Pass
8	4042.513	681.385	0.000	0.000	Pass
9	4052.253	697.176	0.000	0.000	Pass
10	4044.864	689.797	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.08.18 10:53:41
Results file name:	18IK5341.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:	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			21.08.18	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.08.18	

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

Passive error messages

No known alpha calibration

Results

Singles:	4.325	+-	0.049
Doubles:	0.002	+-	0.002
Triples:	0.000	+-	0.000
Scaler 1:	232.992	+-	0.497
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	274	1	0	13907	0	Pass
2	246	0	0	14012	0	Pass
3	257	0	0	13989	0	Pass
4	264	0	0	13861	0	Pass
5	259	0	0	14126	0	Pass
6	264	0	0	14102	0	Pass
7	245	0	0	13989	0	Pass
8	256	0	0	13858	0	Pass
9	260	0	0	14040	0	Pass
10	270	0	0	13911	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.567	0.017	0.000	0.000	Pass
2	4.100	0.000	0.000	0.000	Pass
3	4.283	0.000	0.000	0.000	Pass
4	4.400	0.000	0.000	0.000	Pass
5	4.317	0.000	0.000	0.000	Pass
6	4.400	0.000	0.000	0.000	Pass
7	4.083	0.000	0.000	0.000	Pass
8	4.267	0.000	0.000	0.000	Pass
9	4.333	0.000	0.000	0.000	Pass
10	4.500	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.09.16 09:50:48
Results file name:	19GJ5048.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
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			21.09.16	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.09.16	

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

Passive error messages

No known alpha calibration

Results

Singles:	264.195	+-	0.545
Doubles:	2.858	+-	0.144
Triples:	0.000	+-	0.000
Scaler 1:	6.283	+-	0.088
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15781	434	283	387	0	Pass
2	15802	423	268	354	0	Pass
3	15878	470	278	385	0	Pass
4	15734	420	264	359	0	Pass
5	16001	440	260	378	0	Pass
6	15912	427	242	374	0	Pass
7	15914	399	283	391	0	Pass
8	15668	429	255	398	0	Pass
9	15874	454	256	352	0	Pass
10	15953	464	256	392	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	263.017	2.517	0.000	0.000	Pass
2	263.367	2.583	0.000	0.000	Pass
3	264.633	3.200	0.000	0.000	Pass
4	262.233	2.600	0.000	0.000	Pass
5	266.683	3.000	0.000	0.000	Pass
6	265.200	3.083	0.000	0.000	Pass
7	265.233	1.933	0.000	0.000	Pass
8	261.133	2.900	0.000	0.000	Pass
9	264.567	3.300	0.000	0.000	Pass
10	265.883	3.467	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.09.16 09:35:48
Results file name:	19GJ3548.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			21.09.16	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.09.16	

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

Passive error messages

Known alpha analysis error

Results

Singles:	4850.960	+-	2.869
Doubles:	1041.088	+-	2.330
Triples:	0.000	+-	0.000
Scaler 1:	16.400	+-	0.243
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	290280	152574	90223	987	0	Pass
2	290578	151841	90338	978	0	Pass
3	290341	152345	89702	1084	0	Pass
4	290767	151736	89543	940	0	Pass
5	291861	153296	90720	998	0	Pass
6	291023	152320	89955	993	0	Pass
7	290353	151701	89389	933	0	Pass
8	290962	152726	89704	1019	0	Pass
9	291614	153263	91283	929	0	Pass
10	290532	152307	90541	979	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4841.760	1042.418	0.000	0.000	Pass
2	4846.735	1028.244	0.000	0.000	Pass
3	4842.779	1047.301	0.000	0.000	Pass
4	4849.890	1039.782	0.000	0.000	Pass
5	4868.152	1046.197	0.000	0.000	Pass
6	4854.163	1042.660	0.000	0.000	Pass
7	4842.979	1041.767	0.000	0.000	Pass
8	4853.145	1053.644	0.000	0.000	Pass
9	4864.028	1036.230	0.000	0.000	Pass
10	4845.967	1032.640	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.09.16 09:20:44
Results file name:	19GJ2044.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		21.09.16		
Am241:	0.0000	+- 0.0000	0.0000	+-	0.0000
Am date:	00.01.01		21.09.16		

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

Passive error messages

Known alpha analysis error

Results

Singles:	140.860	+- 0.457
Doubles:	0.583	+- 0.104
Triples:	0.000	+- 0.000
Scaler 1:	254.653	+- 0.578
Scaler 2:	0.000	+- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8378	117	62	15364	0	Pass
2	8336	94	89	15126	0	Pass
3	8370	106	98	15417	0	Pass
4	8500	130	69	15141	0	Pass
5	8399	131	88	15374	0	Pass
6	8576	123	83	15162	0	Pass
7	8550	118	106	15270	0	Pass
8	8505	119	80	15271	0	Pass
9	8383	112	64	15260	0	Pass
10	8519	117	78	15407	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	139.633	0.917	0.000	0.000	Pass
2	138.933	0.083	0.000	0.000	Pass
3	139.500	0.133	0.000	0.000	Pass
4	141.667	1.017	0.000	0.000	Pass
5	139.983	0.717	0.000	0.000	Pass
6	142.933	0.667	0.000	0.000	Pass
7	142.500	0.200	0.000	0.000	Pass
8	141.750	0.650	0.000	0.000	Pass
9	139.717	0.800	0.000	0.000	Pass
10	141.983	0.650	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.09.16 10:38:02
Results file name:	19GK3802.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		21.09.16		
Am241:	0.0000	+- 0.0000	0.0000	+-	0.0000
Am date:	00.01.01		21.09.16		

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	331.108	+- 0.473
Doubles:	4.415	+- 0.203
Triples:	0.000	+- 0.000
Scaler 1:	245.338	+- 0.537
Scaler 2:	0.000	+- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	19972	710	467	14786	0	Pass
2	19977	702	408	14678	0	Pass
3	19904	736	456	14725	0	Pass
4	19962	674	461	14778	0	Pass
5	19728	688	414	14481	0	Pass
6	19775	637	407	14657	0	Pass
7	19880	661	415	14857	0	Pass
8	19810	687	383	14714	0	Pass
9	19877	716	382	14777	0	Pass
10	19780	647	416	14750	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	332.867	4.050	0.000	0.000	Pass
2	332.950	4.900	0.000	0.000	Pass
3	331.733	4.667	0.000	0.000	Pass
4	332.700	3.550	0.000	0.000	Pass
5	328.800	4.567	0.000	0.000	Pass
6	329.583	3.833	0.000	0.000	Pass
7	331.333	4.100	0.000	0.000	Pass
8	330.167	5.067	0.000	0.000	Pass
9	331.283	5.567	0.000	0.000	Pass
10	329.667	3.850	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.09.16 10:21:57
Results file name:	19GK2157.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			21.09.16	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.09.16	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	3967.761	+-	4.522
Doubles:	678.837	+-	2.278
Triples:	0.000	+-	0.000
Scaler 1:	33.243	+-	0.271
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	237880	101169	60781	2035	0	Pass
2	237392	101001	60278	1921	0	Pass
3	238571	101464	60255	2009	0	Pass
4	237295	100941	60099	1999	0	Pass
5	239353	102339	60898	1906	0	Pass
6	237676	100499	60318	1979	0	Pass
7	238821	101892	60949	2053	0	Pass
8	238379	101228	60835	2065	0	Pass
9	238100	100594	60409	1991	0	Pass
10	236373	99765	59326	1988	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3966.026	674.057	0.000	0.000	Pass
2	3957.887	679.646	0.000	0.000	Pass
3	3977.551	687.762	0.000	0.000	Pass
4	3956.270	681.632	0.000	0.000	Pass
5	3990.593	691.637	0.000	0.000	Pass
6	3962.624	670.602	0.000	0.000	Pass
7	3981.720	683.324	0.000	0.000	Pass
8	3974.349	674.143	0.000	0.000	Pass
9	3969.695	670.670	0.000	0.000	Pass
10	3940.892	674.902	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.09.16 10:07:52
Results file name:	19GK0752.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			21.09.16	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.09.16	

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

Passive error messages

No known alpha calibration

Results

Singles:	4.455	+-	0.083
Doubles:	0.003	+-	0.002
Triples:	0.000	+-	0.000
Scaler 1:	227.652	+-	0.664
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	274	0	0	13737	0	Pass
2	265	0	0	13520	0	Pass
3	263	1	0	13644	0	Pass
4	285	0	0	13709	0	Pass
5	287	0	0	13486	0	Pass
6	259	0	0	13793	0	Pass
7	283	0	0	13769	0	Pass
8	239	0	0	13780	0	Pass
9	269	1	0	13461	0	Pass
10	249	0	0	13692	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.567	0.000	0.000	0.000	Pass
2	4.417	0.000	0.000	0.000	Pass
3	4.383	0.017	0.000	0.000	Pass
4	4.750	0.000	0.000	0.000	Pass
5	4.783	0.000	0.000	0.000	Pass
6	4.317	0.000	0.000	0.000	Pass
7	4.717	0.000	0.000	0.000	Pass
8	3.983	0.000	0.000	0.000	Pass
9	4.483	0.017	0.000	0.000	Pass
10	4.150	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	BWR BOTTOM
Detector id:	AFASB-Bot
Electronics id:	JSR-15
Measurement date:	21.10.11 13:28:15
Results file name:	1ABN2815.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:	0.0060
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:	0.910 +- 0.034
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:	258.045 +- 0.736
Doubles:	2.782 +- 0.069
Triples:	0.025 +- 0.019
Quads:	0.001 +- 0.001
Quads/Triples:	-0.000 +- 0.014
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:	259.2078 +- 0.4614

Cf252 measured singles rate:	258.0450 +- 0.7363
Singles rate expected/measured:	1.0045 +- 0.0403
New normalization constant:	1.0000 +- 0.0000

Normalization test Passed.

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	258.523	2.733	-0.029	Pass
2	259.140	3.183	0.030	Pass
3	253.990	2.517	-0.008	Pass
4	259.423	2.600	0.023	Pass
5	257.173	2.683	-0.028	Pass
6	259.823	2.700	0.088	Pass
7	255.773	2.600	-0.059	Pass
8	261.823	3.100	0.131	Pass
9	258.923	2.900	0.068	Pass
10	255.857	2.800	0.037	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	COLLAR
Detector id:	AFASB
Electronics id:	JSR-15
Measurement date:	21.10.11 10:46:11
Results file name:	1ABK4611.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:	0.1970
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:	8.795 +- 0.101
Passive doubles bkgrnd:	0.007 +- 0.003
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:	4752.306 +- 3.884
Doubles:	1017.440 +- 3.467
Triples:	123.676 +- 1.485
Quads:	7.472 +- 0.818
Quads/Triples:	0.060 +- 0.006
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 doubles rate:	1007.2432 +- 1.3067
Cf252 measured doubles rate:	1017.4398 +- 3.4671
Doubles rate expected/measured:	0.9900 +- 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 rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	4756.865	1008.607	116.666	Pass
2	4755.479	1015.996	127.100	Pass
3	4733.863	999.816	117.864	Pass
4	4761.756	1032.500	125.734	Pass
5	4763.926	1008.696	118.577	Pass
6	4751.340	1009.456	126.462	Pass
7	4734.314	1018.724	121.040	Pass
8	4769.952	1030.483	127.889	Pass
9	4741.291	1020.801	125.632	Pass
10	4754.278	1029.319	129.781	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	BWR TOP
Detector id:	AFASB-Top
Electronics id:	JSR-15
Measurement date:	21.10.11 11:12:22
Results file name:	1ABL1222.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:	0.0080
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:	1.153 +- 0.035
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:	248.343 +- 0.541
Doubles:	2.793 +- 0.147
Triples:	0.049 +- 0.022
Quads:	0.012 +- 0.008
Quads/Triples:	0.090 +- 0.057
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:	249.0531 +- 0.4091

(1)

Cf252 measured singles rate:	248.3433 +- 0.5408
Singles rate expected/measured:	1.0029 +- 0.0402
New normalization constant:	1.0000 +- 0.0000

Normalization test Passed.

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	248.480	2.883	0.137	Pass
2	247.530	2.550	-0.041	Pass
3	245.630	1.983	-0.031	Pass
4	247.880	2.583	0.075	Pass
5	246.813	3.817	0.073	Pass
6	249.447	2.917	0.053	Pass
7	248.580	2.500	0.010	Pass
8	251.813	2.900	-0.030	Pass
9	247.597	2.917	0.087	Pass
10	249.663	2.883	0.154	Pass

(2)

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	PWR BOTTOM
Detector id:	AFASP-Bot
Electronics id:	JSR-15
Measurement date:	21.10.11 14:44:26
Results file name:	1AB04426.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:	1.237 +- 0.061
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:	238.245 +- 0.511
Doubles:	2.493 +- 0.109
Triples:	0.027 +- 0.013
Quads:	0.001 +- 0.002
Quads/Triples:	0.019 +- 0.019
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:	239.0946 +- 0.3933

(1)

Cf252 measured singles rate:	238.2450 +- 0.5111
Singles rate expected/measured:	1.0036 +- 0.0402
New normalization constant:	1.0000 +- 0.0000

Normalization test Passed.

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	236.797	1.900	0.054	Pass
2	235.547	2.850	-0.010	Pass
3	238.413	2.833	-0.010	Pass
4	236.713	2.600	0.094	Pass
5	238.297	2.017	0.052	Pass
6	238.097	2.917	0.055	Pass
7	238.847	2.400	-0.004	Pass
8	241.097	2.567	0.027	Pass
9	238.780	2.300	0.048	Pass
10	239.863	2.550	-0.039	Pass

(2)

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Measurement date:	21.10.11 14:20:08
Results file name:	1AB02008.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:	11.258 +- 0.122
Passive doubles bkgrnd:	0.010 +- 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:	3892.110 +- 2.426
Doubles:	668.271 +- 2.802
Triples:	66.072 +- 0.979
Quads:	4.263 +- 0.924
Quads/Triples:	0.064 +- 0.014
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 doubles rate:	661.3355 +- 1.0035
Cf252 measured doubles rate:	668.2714 +- 2.8017
Doubles rate expected/measured:	0.9896 +- 0.0044
New normalization constant:	1.0000 +- 0.0000
Normalization test Failed.	
Measured percent precision:	0.42
Required percent precision:	0.30
Repeat measurement for at least:	1290 seconds

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	3898.897	675.870	67.477	Pass
2	3892.792	661.316	61.984	Pass
3	3887.022	665.837	68.344	Pass
4	3887.872	675.984	62.490	Pass
5	3882.385	659.544	66.948	Pass
6	3896.061	656.326	63.334	Pass
7	3886.755	660.947	67.095	Pass
8	3898.680	682.495	72.058	Pass
9	3884.470	668.373	66.855	Pass
10	3906.168	676.022	64.125	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	PWR TOP
Detector id:	AFASP-Top
Electronics id:	JSR-15
Measurement date:	21.10.11 13:52:39
Results file name:	1ABN5239.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:	0.0126
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:	1.857 +- 0.049
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:	222.122 +- 0.362
Doubles:	2.267 +- 0.112
Triples:	0.028 +- 0.013
Quads:	0.001 +- 0.002
Quads/Triples:	0.020 +- 0.035
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:	223.0905 +- 0.4988

Cf252 measured singles rate:	222.1217 +- 0.3620
Singles rate expected/measured:	1.0044 +- 0.0402
New normalization constant:	1.0000 +- 0.0000
Normalization test Passed.	

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	222.560	1.917	0.039	Pass
2	221.360	1.683	-0.024	Pass
3	221.593	2.267	0.101	Pass
4	220.743	2.033	0.021	Pass
5	222.660	2.917	0.042	Pass
6	222.810	2.200	-0.015	Pass
7	224.677	2.317	0.050	Pass
8	221.077	2.567	-0.037	Pass
9	222.110	2.550	0.047	Pass
10	221.627	2.217	0.052	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.11.09 10:31:10
Results file name:	1B9K3110.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
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			21.11.09	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.11.09	

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

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

Passive error messages

No known alpha calibration

Results

Singles:	253.643	+-	0.772
Doubles:	2.923	+-	0.104
Triples:	0.000	+-	0.000
Scaler 1:	6.148	+-	0.100
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15252	417	269	372	0	Pass
2	15207	432	255	364	0	Pass
3	15374	410	245	382	0	Pass
4	15034	424	240	323	0	Pass
5	15443	410	256	377	0	Pass
6	15098	445	252	363	0	Pass
7	15067	447	251	386	0	Pass
8	15395	417	268	369	0	Pass
9	15098	433	241	391	0	Pass
10	15218	445	249	362	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	254.200	2.467	0.000	0.000	Pass
2	253.450	2.950	0.000	0.000	Pass
3	256.233	2.750	0.000	0.000	Pass
4	250.567	3.067	0.000	0.000	Pass
5	257.383	2.567	0.000	0.000	Pass
6	251.633	3.217	0.000	0.000	Pass
7	251.117	3.267	0.000	0.000	Pass
8	256.583	2.483	0.000	0.000	Pass
9	251.633	3.200	0.000	0.000	Pass
10	253.633	3.267	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.11.09 10:16:07
Results file name:	1B9K1607.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			21.11.09	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.11.09	

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

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

Passive error messages

Known alpha analysis error

Results

Singles:	4668.887	+-	4.211
Doubles:	999.544	+-	2.748
Triples:	0.000	+-	0.000
Scaler 1:	15.823	+-	0.232
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	280461	143181	83623	877	0	Pass
2	280805	144850	84627	957	0	Pass
3	280176	143837	83397	1011	0	Pass
4	279423	143467	83298	995	0	Pass
5	279099	142367	83243	895	0	Pass
6	280371	143511	83596	948	0	Pass
7	280378	143322	83384	997	0	Pass
8	278157	141905	82166	951	0	Pass
9	280245	143157	84398	946	0	Pass
10	280119	143406	83339	917	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4677.860	995.618	0.000	0.000	Pass
2	4683.602	1006.739	0.000	0.000	Pass
3	4673.103	1010.360	0.000	0.000	Pass
4	4660.534	1005.821	0.000	0.000	Pass
5	4655.126	988.349	0.000	0.000	Pass
6	4676.358	1001.585	0.000	0.000	Pass
7	4676.475	1001.970	0.000	0.000	Pass
8	4639.403	998.619	0.000	0.000	Pass
9	4674.255	982.259	0.000	0.000	Pass
10	4672.152	1004.124	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.11.09 09:59:02
Results file name:	1B9J5902.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			21.11.09	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.11.09	

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

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

Passive error messages

Known alpha analysis error

Results

Singles:	134.763	+-	0.273
Doubles:	0.747	+-	0.069
Triples:	0.000	+-	0.000
Scaler 1:	245.345	+-	0.614
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8096	109	58	14511	0	Pass
2	8091	125	61	14894	0	Pass
3	7994	118	67	14694	0	Pass
4	8143	116	67	14603	0	Pass
5	8074	115	81	14842	0	Pass
6	8108	85	65	14807	0	Pass
7	8040	96	64	14656	0	Pass
8	8028	104	64	14682	0	Pass
9	8145	115	65	14722	0	Pass
10	8139	142	85	14796	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	134.933	0.850	0.000	0.000	Pass
2	134.850	1.067	0.000	0.000	Pass
3	133.233	0.850	0.000	0.000	Pass
4	135.717	0.817	0.000	0.000	Pass
5	134.567	0.567	0.000	0.000	Pass
6	135.133	0.333	0.000	0.000	Pass
7	134.000	0.533	0.000	0.000	Pass
8	133.800	0.667	0.000	0.000	Pass
9	135.750	0.833	0.000	0.000	Pass
10	135.650	0.950	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.11.09 11:19:57
Results file name:	1B9L1957.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			21.11.09	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.11.09	

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

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:	321.585	+-	0.875
Doubles:	4.202	+-	0.143
Triples:	0.000	+-	0.000
Scaler 1:	234.812	+-	0.670
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	19341	664	382	13990	0	Pass
2	19181	657	398	14228	0	Pass
3	19120	664	398	13888	0	Pass
4	19538	660	420	14073	0	Pass
5	19114	653	395	14336	0	Pass
6	19388	658	414	14005	0	Pass
7	19269	644	391	14091	0	Pass
8	19565	640	437	14088	0	Pass
9	19307	644	423	14155	0	Pass
10	19128	678	383	14033	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	322.350	4.700	0.000	0.000	Pass
2	319.683	4.317	0.000	0.000	Pass
3	318.667	4.433	0.000	0.000	Pass
4	325.633	4.000	0.000	0.000	Pass
5	318.567	4.300	0.000	0.000	Pass
6	323.133	4.067	0.000	0.000	Pass
7	321.150	4.217	0.000	0.000	Pass
8	326.083	3.383	0.000	0.000	Pass
9	321.783	3.683	0.000	0.000	Pass
10	318.800	4.917	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.11.09 11:02:52
Results file name:	1B9L0252.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			21.11.09	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.11.09	

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

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:	3817.495	+-	4.154
Doubles:	656.503	+-	2.842
Triples:	0.000	+-	0.000
Scaler 1:	32.248	+-	0.219
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	228908	95326	55802	1990	0	Pass
2	229856	95763	56321	2006	0	Pass
3	227813	94813	55151	1924	0	Pass
4	228728	95145	56023	1957	0	Pass
5	228312	94676	55737	1930	0	Pass
6	229066	95338	56581	1920	0	Pass
7	230242	96664	56058	1903	0	Pass
8	229269	95057	56266	1940	0	Pass
9	228008	94740	55473	1916	0	Pass
10	229539	95549	56277	1863	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3816.392	659.603	0.000	0.000	Pass
2	3832.203	658.238	0.000	0.000	Pass
3	3798.130	661.902	0.000	0.000	Pass
4	3813.390	652.894	0.000	0.000	Pass
5	3806.452	649.838	0.000	0.000	Pass
6	3819.027	646.804	0.000	0.000	Pass
7	3838.640	677.666	0.000	0.000	Pass
8	3822.413	647.372	0.000	0.000	Pass
9	3801.382	655.311	0.000	0.000	Pass
10	3826.916	655.400	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.11.09 10:46:14
Results file name:	1B9K4614.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			21.11.09	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.11.09	

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

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

Passive error messages

No known alpha calibration

Results

Singles:	4.365	+-	0.051
Doubles:	-0.002	+-	0.003
Triples:	0.000	+-	0.000
Scaler 1:	219.803	+-	0.676
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	264	0	0	13176	0	Pass
2	258	0	0	13433	0	Pass
3	266	1	0	13055	0	Pass
4	255	0	0	12963	0	Pass
5	279	0	0	13223	0	Pass
6	249	0	1	13181	0	Pass
7	261	0	1	13109	0	Pass
8	249	0	0	13268	0	Pass
9	266	0	0	13215	0	Pass
10	272	0	0	13259	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.400	0.000	0.000	0.000	Pass
2	4.300	0.000	0.000	0.000	Pass
3	4.433	0.017	0.000	0.000	Pass
4	4.250	0.000	0.000	0.000	Pass
5	4.650	0.000	0.000	0.000	Pass
6	4.150	-0.017	0.000	0.000	Pass
7	4.350	-0.017	0.000	0.000	Pass
8	4.150	0.000	0.000	0.000	Pass
9	4.433	0.000	0.000	0.000	Pass
10	4.533	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.12.24 10:19:11
Results file name:	1COK1911.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
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			21.12.24	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.12.24	

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

Passive error messages

No known alpha calibration

Results

Singles:	246.630	+-	0.702
Doubles:	2.838	+-	0.101
Triples:	0.000	+-	0.000
Scaler 1:	6.418	+-	0.163
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15033	441	245	372	0	Pass
2	14810	421	246	466	0	Pass
3	14836	407	222	364	0	Pass
4	14856	402	219	403	0	Pass
5	14927	403	217	362	0	Pass
6	14805	416	246	364	0	Pass
7	14658	391	246	384	0	Pass
8	14609	394	251	378	0	Pass
9	14633	401	227	383	0	Pass
10	14811	401	255	375	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	250.550	3.267	0.000	0.000	Pass
2	246.833	2.917	0.000	0.000	Pass
3	247.267	3.083	0.000	0.000	Pass
4	247.600	3.050	0.000	0.000	Pass
5	248.783	3.100	0.000	0.000	Pass
6	246.750	2.833	0.000	0.000	Pass
7	244.300	2.417	0.000	0.000	Pass
8	243.483	2.383	0.000	0.000	Pass
9	243.883	2.900	0.000	0.000	Pass
10	246.850	2.433	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.12.24 10:03:12
Results file name:	1COK0312.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			21.12.24	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.12.24	

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

Passive error messages

Known alpha analysis error

Results

Singles:	4517.404	+-	3.822
Doubles:	965.228	+-	3.506
Triples:	0.000	+-	0.000
Scaler 1:	15.663	+-	0.145
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	270752	135707	78103	923	0	Pass
2	271813	137182	79708	947	0	Pass
3	271573	136631	79301	964	0	Pass
4	270606	136024	78125	901	0	Pass
5	271050	136152	77647	950	0	Pass
6	271822	137060	78059	909	0	Pass
7	269655	134587	77231	984	0	Pass
8	270754	135421	78752	926	0	Pass
9	270216	135576	77452	924	0	Pass
10	270237	135536	78038	970	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4515.805	962.854	0.000	0.000	Pass
2	4533.514	960.692	0.000	0.000	Pass
3	4529.508	958.282	0.000	0.000	Pass
4	4513.368	967.783	0.000	0.000	Pass
5	4520.779	977.917	0.000	0.000	Pass
6	4533.664	986.216	0.000	0.000	Pass
7	4497.495	958.697	0.000	0.000	Pass
8	4515.838	947.225	0.000	0.000	Pass
9	4506.858	971.540	0.000	0.000	Pass
10	4507.209	961.077	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.12.24 09:46:07
Results file name:	1COJ4607.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			21.12.24	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.12.24	

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

Passive error messages

Known alpha analysis error

Results

Singles:	131.555	+-	0.574
Doubles:	0.693	+-	0.073
Triples:	0.000	+-	0.000
Scaler 1:	237.733	+-	0.780
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	7888	124	68	14282	0	Pass
2	7814	97	71	14169	0	Pass
3	7762	113	62	14471	0	Pass
4	8078	129	63	14529	0	Pass
5	7931	118	69	14168	0	Pass
6	7995	102	69	14198	0	Pass
7	7918	101	62	14355	0	Pass
8	7820	93	70	14256	0	Pass
9	7742	89	58	14145	0	Pass
10	7985	114	72	14067	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	131.467	0.933	0.000	0.000	Pass
2	130.233	0.433	0.000	0.000	Pass
3	129.367	0.850	0.000	0.000	Pass
4	134.633	1.100	0.000	0.000	Pass
5	132.183	0.817	0.000	0.000	Pass
6	133.250	0.550	0.000	0.000	Pass
7	131.967	0.650	0.000	0.000	Pass
8	130.333	0.383	0.000	0.000	Pass
9	129.033	0.517	0.000	0.000	Pass
10	133.083	0.700	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.12.24 11:04:46
Results file name:	1COL0446.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			21.12.24	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			21.12.24	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	311.495	+-	0.929
Doubles:	3.880	+-	0.105
Triples:	0.000	+-	0.000
Scaler 1:	229.125	+-	0.613
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	18651	603	381	13948	0	Pass
2	18604	607	379	13865	0	Pass
3	18716	626	395	13820	0	Pass
4	18484	612	383	13719	0	Pass
5	18827	632	378	13863	0	Pass
6	19034	619	400	13684	0	Pass
7	18715	633	358	13662	0	Pass
8	18846	614	383	13657	0	Pass
9	18528	553	351	13646	0	Pass
10	18492	621	384	13611	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	310.850	3.700	0.000	0.000	Pass
2	310.067	3.800	0.000	0.000	Pass
3	311.933	3.850	0.000	0.000	Pass
4	308.067	3.817	0.000	0.000	Pass
5	313.783	4.233	0.000	0.000	Pass
6	317.233	3.650	0.000	0.000	Pass
7	311.917	4.583	0.000	0.000	Pass
8	314.100	3.850	0.000	0.000	Pass
9	308.800	3.367	0.000	0.000	Pass
10	308.200	3.950	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.12.24 10:49:41
Results file name:	1COK4941.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		21.12.24	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.12.24	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	3697.208 +- 2.796
Doubles:	627.719 +- 2.722
Triples:	0.000 +- 0.000
Scaler 1:	31.285 +- 0.290
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	221249	89876	52478	1857	0	Pass
2	221141	89659	52304	1924	0	Pass
3	222426	90539	53054	1836	0	Pass
4	222490	90773	52765	1978	0	Pass
5	222063	90547	52325	1876	0	Pass
6	221722	89634	52889	1910	0	Pass
7	221598	89788	52450	1904	0	Pass
8	221511	91063	52509	1876	0	Pass
9	222309	90683	53099	1788	0	Pass
10	221107	89984	52523	1822	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3688.659	624.096	0.000	0.000	Pass
2	3686.858	623.378	0.000	0.000	Pass
3	3708.289	625.552	0.000	0.000	Pass
4	3709.356	634.280	0.000	0.000	Pass
5	3702.235	637.849	0.000	0.000	Pass
6	3696.548	613.200	0.000	0.000	Pass
7	3694.480	623.096	0.000	0.000	Pass
8	3693.029	643.388	0.000	0.000	Pass
9	3706.337	627.203	0.000	0.000	Pass
10	3686.291	625.146	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	21.12.24 10:35:15
Results file name:	1COK3515.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		21.12.24	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		21.12.24	

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

Passive error messages

No known alpha calibration

Results

Singles:	4.138 +- 0.053
Doubles:	-0.002 +- 0.003
Triples:	0.000 +- 0.000
Scaler 1:	214.178 +- 0.654
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	248	0	0	12828	0	Pass
2	236	0	0	12972	0	Pass
3	244	1	0	12644	0	Pass
4	247	0	1	12738	0	Pass
5	233	0	0	12993	0	Pass
6	248	0	1	13029	0	Pass
7	257	0	0	12861	0	Pass
8	268	0	0	12794	0	Pass
9	254	0	0	12899	0	Pass
10	248	0	0	12749	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.133	0.000	0.000	0.000	Pass
2	3.933	0.000	0.000	0.000	Pass
3	4.067	0.017	0.000	0.000	Pass
4	4.117	-0.017	0.000	0.000	Pass
5	3.883	0.000	0.000	0.000	Pass
6	4.133	-0.017	0.000	0.000	Pass
7	4.283	0.000	0.000	0.000	Pass
8	4.467	0.000	0.000	0.000	Pass
9	4.233	0.000	0.000	0.000	Pass
10	4.133	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.01.12 10:21:34
Results file name:	21CK2134.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
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			22.01.12	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			22.01.12	

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

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

Passive error messages

No known alpha calibration

Results

Singles:	241.745	+-	0.624
Doubles:	2.972	+-	0.092
Triples:	0.000	+-	0.000
Scaler 1:	6.088	+-	0.101
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14442	392	193	378	0	Pass
2	14647	403	229	347	0	Pass
3	14484	388	219	363	0	Pass
4	14635	417	214	390	0	Pass
5	14332	385	207	380	0	Pass
6	14508	398	241	329	0	Pass
7	14684	422	226	353	0	Pass
8	14410	375	225	387	0	Pass
9	14389	386	210	364	0	Pass
10	14516	396	215	362	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	240.700	3.317	0.000	0.000	Pass
2	244.117	2.900	0.000	0.000	Pass
3	241.400	2.817	0.000	0.000	Pass
4	243.917	3.383	0.000	0.000	Pass
5	238.867	2.967	0.000	0.000	Pass
6	241.800	2.617	0.000	0.000	Pass
7	244.733	3.267	0.000	0.000	Pass
8	240.167	2.500	0.000	0.000	Pass
9	239.817	2.933	0.000	0.000	Pass
10	241.933	3.017	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.01.12 10:05:52
Results file name:	21CK0552.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			22.01.12	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			22.01.12	

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

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

Passive error messages

Known alpha analysis error

Results

Singles:	4456.972	+-	3.568
Doubles:	950.096	+-	3.872
Triples:	0.000	+-	0.000
Scaler 1:	15.317	+-	0.100
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	267195	133332	76396	883	0	Pass
2	267709	133610	77150	909	0	Pass
3	266833	132522	75863	922	0	Pass
4	267756	133329	76750	923	0	Pass
5	266025	131711	75941	960	0	Pass
6	267052	132962	75350	918	0	Pass
7	266578	131906	75719	925	0	Pass
8	267911	133577	76827	920	0	Pass
9	268236	135083	76719	910	0	Pass
10	266976	133053	75941	920	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4456.436	951.652	0.000	0.000	Pass
2	4465.015	943.701	0.000	0.000	Pass
3	4450.394	947.018	0.000	0.000	Pass
4	4465.799	945.690	0.000	0.000	Pass
5	4436.908	932.151	0.000	0.000	Pass
6	4454.049	962.949	0.000	0.000	Pass
7	4446.138	939.126	0.000	0.000	Pass
8	4468.386	948.550	0.000	0.000	Pass
9	4473.811	975.531	0.000	0.000	Pass
10	4452.781	954.591	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.01.12 09:48:48
Results file name:	21CJ4848.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		22.01.12	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		22.01.12	

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

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

Passive error messages

Known alpha analysis error

Results

Singles:	130.065 +-	0.395
Doubles:	0.733 +-	0.067
Triples:	0.000 +-	0.000
Scaler 1:	234.237 +-	0.502
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	7940	109	67	14182	0	Pass
2	7719	118	58	14004	0	Pass
3	7789	101	62	14145	0	Pass
4	7714	96	64	14078	0	Pass
5	7912	101	56	14182	0	Pass
6	7834	111	73	13977	0	Pass
7	7817	123	77	13917	0	Pass
8	7792	101	76	14089	0	Pass
9	7765	129	60	14015	0	Pass
10	7757	106	62	13953	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	132.333	0.700	0.000	0.000	Pass
2	128.650	1.000	0.000	0.000	Pass
3	129.817	0.650	0.000	0.000	Pass
4	128.567	0.533	0.000	0.000	Pass
5	131.867	0.750	0.000	0.000	Pass
6	130.567	0.633	0.000	0.000	Pass
7	130.283	0.767	0.000	0.000	Pass
8	129.867	0.417	0.000	0.000	Pass
9	129.417	1.150	0.000	0.000	Pass
10	129.283	0.733	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.01.12 11:08:45
Results file name:	21CL0845.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		22.01.12	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		22.01.12	

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

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:	307.305 +-	0.824
Doubles:	4.007 +-	0.186
Triples:	0.000 +-	0.000
Scaler 1:	224.327 +-	0.889
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	18562	626	389	13469	0	Pass
2	18568	653	325	13398	0	Pass
3	18414	630	372	13847	0	Pass
4	18544	619	375	13440	0	Pass
5	18192	576	359	13253	0	Pass
6	18138	605	374	13469	0	Pass
7	18413	600	401	13257	0	Pass
8	18539	610	364	13586	0	Pass
9	18557	582	369	13419	0	Pass
10	18456	594	363	13458	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	309.367	3.950	0.000	0.000	Pass
2	309.467	5.467	0.000	0.000	Pass
3	306.900	4.300	0.000	0.000	Pass
4	309.067	4.067	0.000	0.000	Pass
5	303.200	3.617	0.000	0.000	Pass
6	302.300	3.850	0.000	0.000	Pass
7	306.883	3.317	0.000	0.000	Pass
8	308.983	4.100	0.000	0.000	Pass
9	309.283	3.550	0.000	0.000	Pass
10	307.600	3.850	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.01.12 10:52:41
Results file name:	21CK5241.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		22.01.12	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		22.01.12	

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

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:	3649.515 +-	3.559
Doubles:	622.897 +-	2.803
Triples:	0.000 +-	0.000
Scaler 1:	30.835 +-	0.188
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	218713	88515	51284	1843	0	Pass
2	219743	88997	51880	1836	0	Pass
3	218977	88955	51062	1914	0	Pass
4	219738	89356	51505	1864	0	Pass
5	219241	88397	51329	1852	0	Pass
6	218764	88957	50894	1834	0	Pass
7	217417	87834	50512	1788	0	Pass
8	219183	88391	50989	1865	0	Pass
9	218814	87942	50842	1817	0	Pass
10	218428	87677	51457	1888	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3646.366	621.300	0.000	0.000	Pass
2	3663.543	619.401	0.000	0.000	Pass
3	3650.769	632.348	0.000	0.000	Pass
4	3663.460	631.650	0.000	0.000	Pass
5	3655.171	618.581	0.000	0.000	Pass
6	3647.216	635.184	0.000	0.000	Pass
7	3624.752	622.814	0.000	0.000	Pass
8	3654.204	624.155	0.000	0.000	Pass
9	3648.050	619.114	0.000	0.000	Pass
10	3641.613	604.427	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.01.12 10:37:38
Results file name:	21CK3738.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		22.01.12	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		22.01.12	

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

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

Passive error messages

No known alpha calibration

Results

Singles:	4.097 +-	0.042
Doubles:	0.000 +-	0.002
Triples:	0.000 +-	0.000
Scaler 1:	209.675 +-	0.637
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	252	0	0	12560	0	Pass
2	247	0	0	12539	0	Pass
3	246	0	0	12545	0	Pass
4	243	0	0	12829	0	Pass
5	245	1	0	12618	0	Pass
6	235	0	0	12631	0	Pass
7	238	0	0	12578	0	Pass
8	244	0	0	12646	0	Pass
9	264	0	0	12350	0	Pass
10	244	0	1	12509	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.200	0.000	0.000	0.000	Pass
2	4.117	0.000	0.000	0.000	Pass
3	4.100	0.000	0.000	0.000	Pass
4	4.050	0.000	0.000	0.000	Pass
5	4.083	0.017	0.000	0.000	Pass
6	3.917	0.000	0.000	0.000	Pass
7	3.967	0.000	0.000	0.000	Pass
8	4.067	0.000	0.000	0.000	Pass
9	4.400	0.000	0.000	0.000	Pass
10	4.067	-0.017	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.02.01 14:52:42
Results file name:	22105242.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
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		22.02.01	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		22.02.01	

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

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

Passive error messages

No known alpha calibration

Results

Singles:	241.055 +-	0.801
Doubles:	2.795 +-	0.116
Triples:	0.000 +-	0.000
Scaler 1:	5.927 +-	0.110
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14403	381	216	340	0	Pass
2	14651	415	210	353	0	Pass
3	14492	392	227	344	0	Pass
4	14364	390	236	349	0	Pass
5	14563	402	206	375	0	Pass
6	14684	383	236	348	0	Pass
7	14584	402	225	352	0	Pass
8	14332	358	217	339	0	Pass
9	14297	377	195	348	0	Pass
10	14263	364	219	408	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	240.050	2.750	0.000	0.000	Pass
2	244.183	3.417	0.000	0.000	Pass
3	241.533	2.750	0.000	0.000	Pass
4	239.400	2.567	0.000	0.000	Pass
5	242.717	3.267	0.000	0.000	Pass
6	244.733	2.450	0.000	0.000	Pass
7	243.067	2.950	0.000	0.000	Pass
8	238.867	2.350	0.000	0.000	Pass
9	238.283	3.033	0.000	0.000	Pass
10	237.717	2.417	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.02.01 14:37:38
Results file name:	22103738.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		22.02.01	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		22.02.01	

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

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

Passive error messages

Known alpha analysis error

Results

Singles:	4396.923 +-	5.001
Doubles:	932.614 +-	4.162
Triples:	0.000 +-	0.000
Scaler 1:	14.978 +-	0.143
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	263979	130821	74436	883	0	Pass
2	264773	131470	75009	967	0	Pass
3	264782	131571	75441	872	0	Pass
4	263708	129381	73710	884	0	Pass
5	263492	129908	74070	897	0	Pass
6	264702	131272	74815	907	0	Pass
7	262209	128034	74130	889	0	Pass
8	262332	129503	73271	882	0	Pass
9	263121	129500	74375	891	0	Pass
10	263195	129868	74080	915	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4402.760	942.410	0.000	0.000	Pass
2	4416.012	943.688	0.000	0.000	Pass
3	4416.162	938.156	0.000	0.000	Pass
4	4398.237	930.473	0.000	0.000	Pass
5	4394.631	933.262	0.000	0.000	Pass
6	4414.827	943.620	0.000	0.000	Pass
7	4373.218	900.926	0.000	0.000	Pass
8	4375.271	939.836	0.000	0.000	Pass
9	4388.439	921.342	0.000	0.000	Pass
10	4389.674	932.424	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_01
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.02.01 14:21:34
Results file name:	22102134.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			22.02.01	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			22.02.01	

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

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

Passive error messages

Known alpha analysis error

Results

Singles:	127.743	+-	0.628
Doubles:	0.713	+-	0.084
Triples:	0.000	+-	0.000
Scaler 1:	231.255	+-	0.578
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	7440	91	54	13968	0	Pass
2	7820	108	62	13954	0	Pass
3	7602	108	65	13822	0	Pass
4	7678	113	53	13873	0	Pass
5	7717	97	67	13978	0	Pass
6	7520	70	63	13754	0	Pass
7	7636	101	52	13736	0	Pass
8	7800	117	67	13820	0	Pass
9	7695	98	55	14062	0	Pass
10	7738	117	54	13786	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	124.000	0.617	0.000	0.000	Pass
2	130.333	0.767	0.000	0.000	Pass
3	126.700	0.717	0.000	0.000	Pass
4	127.967	1.000	0.000	0.000	Pass
5	128.617	0.500	0.000	0.000	Pass
6	125.333	0.117	0.000	0.000	Pass
7	127.267	0.817	0.000	0.000	Pass
8	130.000	0.833	0.000	0.000	Pass
9	128.250	0.717	0.000	0.000	Pass
10	128.967	1.050	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.02.01 15:40:56
Results file name:	221P4056.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			22.02.01	
Am241:	0.0000	+-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01			22.02.01	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	302.923	+-	0.777
Doubles:	3.977	+-	0.195
Triples:	0.000	+-	0.000
Scaler 1:	222.542	+-	0.446
Scaler 2:	0.000	+-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	18212	624	339	13519	0	Pass
2	18115	556	347	13253	0	Pass
3	18259	599	349	13369	0	Pass
4	18365	624	383	13308	0	Pass
5	18247	589	403	13359	0	Pass
6	17830	585	337	13261	0	Pass
7	18169	588	364	13454	0	Pass
8	18103	627	329	13349	0	Pass
9	18148	577	386	13279	0	Pass
10	18306	607	353	13374	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	303.533	4.750	0.000	0.000	Pass
2	301.917	3.483	0.000	0.000	Pass
3	304.317	4.167	0.000	0.000	Pass
4	306.083	4.017	0.000	0.000	Pass
5	304.117	3.100	0.000	0.000	Pass
6	297.167	4.133	0.000	0.000	Pass
7	302.817	3.733	0.000	0.000	Pass
8	301.717	4.967	0.000	0.000	Pass
9	302.467	3.183	0.000	0.000	Pass
10	305.100	4.233	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_03
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.02.01 15:24:52
Results file name:	221P2452.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		22.02.01	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		22.02.01	

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

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles:	3596.753 +-	3.603
Doubles:	615.135 +-	1.913
Triples:	0.000 +-	0.000
Scaler 1:	30.258 +-	0.171
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	215265	86452	49447	1863	0	Pass
2	214734	85690	49168	1868	0	Pass
3	215230	86318	49596	1792	0	Pass
4	216408	86834	50413	1797	0	Pass
5	216396	87054	50169	1841	0	Pass
6	215470	86397	49629	1793	0	Pass
7	217011	87619	49924	1800	0	Pass
8	215749	86436	49856	1771	0	Pass
9	215368	86395	49339	1806	0	Pass
10	215750	86269	49301	1824	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3588.863	617.516	0.000	0.000	Pass
2	3580.008	609.454	0.000	0.000	Pass
3	3588.280	612.793	0.000	0.000	Pass
4	3607.925	607.774	0.000	0.000	Pass
5	3607.725	615.517	0.000	0.000	Pass
6	3592.282	613.562	0.000	0.000	Pass
7	3617.981	629.036	0.000	0.000	Pass
8	3596.935	610.425	0.000	0.000	Pass
9	3590.581	618.367	0.000	0.000	Pass
10	3596.952	616.900	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	AFAS
Detector id:	JSR_02
Electronics id:	JSR-12
Inventory change code:	
I/O code:	
Measurement date:	22.02.01 15:09:47
Results file name:	221P0947.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		22.02.01	
Am241:	0.0000 +-	0.0000	0.0000 +-	0.0000
Am date:	00.01.01		22.02.01	

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

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

Passive error messages

No known alpha calibration

Results

Singles:	4.067 +-	0.055
Doubles:	0.000 +-	0.000
Triples:	0.000 +-	0.000
Scaler 1:	208.133 +-	0.659
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	242	0	0	12299	0	Pass
2	240	0	0	12393	0	Pass
3	253	0	0	12491	0	Pass
4	227	0	0	12388	0	Pass
5	259	0	0	12508	0	Pass
6	233	0	0	12741	0	Pass
7	251	0	0	12601	0	Pass
8	252	0	0	12554	0	Pass
9	249	0	0	12482	0	Pass
10	234	0	0	12423	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4.033	0.000	0.000	0.000	Pass
2	4.000	0.000	0.000	0.000	Pass
3	4.217	0.000	0.000	0.000	Pass
4	3.783	0.000	0.000	0.000	Pass
5	4.317	0.000	0.000	0.000	Pass
6	3.883	0.000	0.000	0.000	Pass
7	4.183	0.000	0.000	0.000	Pass
8	4.200	0.000	0.000	0.000	Pass
9	4.150	0.000	0.000	0.000	Pass
10	3.900	0.000	0.000	0.000	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	BWR BOTTOM
Detector id:	AFASB-Bot
Electronics id:	JSR-15
Measurement date:	22.03.01 16:02:31
Results file name:	231Q0231.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:	0.0060
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:	0.658 +- 0.032
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:	234.510 +- 0.471
Doubles:	2.658 +- 0.100
Triples:	0.022 +- 0.014
Quads:	0.003 +- 0.002
Quads/Triples:	0.055 +- 0.044
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:	234.2674 +- 0.4171

Cf252 measured singles rate:	234.5100 +- 0.4706
Singles rate expected/measured:	0.9990 +- 0.0400
New normalization constant:	1.0000 +- 0.0000

Normalization test Passed.

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14266	351	217	0	0	Pass
2	14048	362	210	0	0	Pass
3	14020	342	209	0	0	Pass
4	14008	394	209	0	0	Pass
5	14073	367	211	0	0	Pass
6	14204	362	215	0	0	Pass
7	14039	366	210	0	0	Pass
8	14104	388	212	0	0	Pass
9	14204	387	215	0	0	Pass
10	14135	397	213	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	237.108	2.233	0.066	Pass
2	233.475	2.533	-0.038	Pass
3	233.008	2.217	0.050	Pass
4	232.808	3.083	0.071	Pass
5	233.892	2.600	-0.006	Pass
6	236.075	2.450	-0.021	Pass
7	233.325	2.600	0.028	Pass
8	234.408	2.933	0.039	Pass
9	236.075	2.867	0.073	Pass
10	234.925	3.067	-0.046	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	COLLAR
Detector id:	AFASB
Electronics id:	JSR-15
Measurement date:	22.03.01 15:49:30
Results file name:	231P4930.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:	0.1970
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:	6.980 +- 0.136
Passive doubles bkgrnd:	0.018 +- 0.006
Passive triples bkgrnd:	0.002 +- 0.002
Passive scaler1 bkgrnd:	0.000
Passive scaler2 bkgrnd:	0.000
Number passive cycles:	10
Count time (sec):	60

Results

Singles:	4293.485 +- 2.183
Doubles:	921.171 +- 2.585
Triples:	112.817 +- 1.219
Quads:	8.384 +- 1.285
Quads/Triples:	0.074 +- 0.011
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 doubles rate:	910.3285 +- 1.1809

Cf252 measured doubles rate:	921.1711 +- 2.5852
Doubles rate expected/measured:	0.9882 +- 0.0031
New normalization constant:	1.0000 +- 0.0000

Normalization test Passed.

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	258118	126915	71066	0	0	Pass
2	257556	126228	70756	0	0	Pass
3	257960	125560	70980	0	0	Pass
4	257190	125446	70556	0	0	Pass
5	258675	127180	71373	0	0	Pass
6	257620	125503	70792	0	0	Pass
7	258083	126248	71047	0	0	Pass
8	257544	125776	70750	0	0	Pass
9	258027	125439	71016	0	0	Pass
10	257726	126081	70850	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	4297.960	933.374	120.674	Pass
2	4288.580	927.068	109.757	Pass
3	4295.323	912.164	113.309	Pass
4	4282.472	917.337	108.737	Pass
5	4307.256	932.678	112.435	Pass
6	4289.648	914.350	107.442	Pass
7	4297.375	922.544	114.933	Pass
8	4288.380	919.614	115.787	Pass
9	4296.441	909.541	113.826	Pass
10	4291.417	923.042	111.248	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	BWR TOP
Detector id:	AFASB-Top
Electronics id:	JSR-15
Measurement date:	22.03.01 15:20:26
Results file name:	231P2026.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:	0.0080
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:	0.818 +- 0.032
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:	224.400 +- 0.592
Doubles:	2.358 +- 0.082
Triples:	0.013 +- 0.012
Quads:	-0.001 +- 0.000
Quads/Triples:	-0.212 +- 0.222
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:	225.0898 +- 0.3698

(1)

Cf252 measured singles rate:	224.4000 +- 0.5921
Singles rate expected/measured:	1.0031 +- 0.0402
New normalization constant:	1.0000 +- 0.0000

Normalization test Passed.

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13690	372	199	0	0	Pass
2	13371	340	190	0	0	Pass
3	13514	328	194	0	0	Pass
4	13407	330	191	0	0	Pass
5	13588	334	196	0	0	Pass
6	13451	306	192	0	0	Pass
7	13540	325	195	0	0	Pass
8	13582	342	196	0	0	Pass
9	13362	328	190	0	0	Pass
10	13626	351	198	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	227.348	2.883	-0.009	Pass
2	222.032	2.500	0.064	Pass
3	224.415	2.233	-0.049	Pass
4	222.632	2.317	0.017	Pass
5	225.648	2.300	0.000	Pass
6	223.365	1.900	0.040	Pass
7	224.848	2.167	0.052	Pass
8	225.548	2.433	-0.002	Pass
9	221.882	2.300	0.051	Pass
10	226.282	2.550	-0.037	Pass

(2)

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	PWR BOTTOM
Detector id:	AFASP-Bot
Electronics id:	JSR-15
Measurement date:	22.03.02 11:17:58
Results file name:	232L1758.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:	0.955 +- 0.032
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:	217.215 +- 0.539
Doubles:	2.400 +- 0.124
Triples:	0.022 +- 0.019
Quads:	0.003 +- 0.002
Quads/Triples:	0.028 +- 0.029
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:	215.9344 +- 0.3552

(1)

Cf252 measured singles rate:	217.2150 +- 0.5393
Singles rate expected/measured:	0.9941 +- 0.0398
New normalization constant:	1.0000 +- 0.0000

Normalization test Passed.

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13094	328	182	0	0	Pass
2	12967	328	179	0	0	Pass
3	13069	342	182	0	0	Pass
4	13076	330	182	0	0	Pass
5	13000	280	180	0	0	Pass
6	13032	341	181	0	0	Pass
7	13332	335	189	0	0	Pass
8	13178	350	185	0	0	Pass
9	13078	345	182	0	0	Pass
10	13076	285	182	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	217.278	2.433	0.050	Pass
2	215.162	2.483	0.066	Pass
3	216.862	2.667	-0.037	Pass
4	216.978	2.467	0.016	Pass
5	215.712	1.667	0.093	Pass
6	216.245	2.667	0.096	Pass
7	221.245	2.433	0.065	Pass
8	218.678	2.750	-0.055	Pass
9	217.012	2.717	-0.038	Pass
10	216.978	1.717	-0.041	Pass

(2)

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Measurement date:	22.03.02 11:32:04
Results file name:	232L3204.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:	9.353 +- 0.134
Passive doubles bkgrnd:	0.018 +- 0.007
Passive triples bkgrnd:	0.002 +- 0.002
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:	3510.639 +- 3.359
Doubles:	600.627 +- 3.105
Triples:	56.988 +- 1.177
Quads:	3.262 +- 0.601
Quads/Triples:	0.056 +- 0.010
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 doubles rate:	597.2746 +- 0.9063
Cf252 measured doubles rate:	600.6273 +- 3.1053
Doubles rate expected/measured:	0.9944 +- 0.0054
New normalization constant:	1.0000 +- 0.0000
Normalization test Failed.	
Measured percent precision:	0.52
Required percent precision:	0.30
Repeat measurement for at least:	1960 seconds

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	211270	83629	47611	0	0	Pass
2	211711	83768	47809	0	0	Pass
3	211377	84379	47658	0	0	Pass
4	210919	83602	47452	0	0	Pass
5	212388	84387	48115	0	0	Pass
6	210497	84137	47262	0	0	Pass
7	210767	83393	47384	0	0	Pass
8	210466	82885	47248	0	0	Pass
9	211518	83167	47722	0	0	Pass
10	210440	82100	47237	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	3512.886	601.013	54.778	Pass
2	3520.240	600.030	56.738	Pass
3	3514.670	612.745	59.026	Pass
4	3507.032	603.215	63.412	Pass
5	3531.530	605.256	56.200	Pass
6	3499.995	615.311	62.391	Pass
7	3504.497	600.861	55.198	Pass
8	3499.478	594.653	51.524	Pass
9	3517.022	591.452	56.983	Pass
10	3499.044	581.737	53.608	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	PWR TOP
Detector id:	AFASP-Top
Electronics id:	JSR-15
Measurement date:	22.03.02 10:47:20
Results file name:	232K4720.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:	0.0126
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:	1.333 +- 0.045
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

Passive messages

Normalization test failed

Results

Singles:	200.775 +- 0.695
Doubles:	2.055 +- 0.101
Triples:	0.037 +- 0.009
Quads:	-0.001 +- 0.000
Quads/Triples:	-0.019 +- 0.009
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:	201.4806 +- 0.4505
Cf252 measured singles rate:	200.7750 +- 0.6946
Singles rate expected/measured:	1.0035 +- 0.0403
New normalization constant:	1.0000 +- 0.0000
Normalization test Failed.	
Measured percent precision:	0.35
Required percent precision:	0.30
Repeat measurement for at least:	880 seconds

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12294	273	161	0	0	Pass
2	12210	301	159	0	0	Pass
3	12213	264	159	0	0	Pass
4	12142	292	157	0	0	Pass
5	12031	276	154	0	0	Pass
6	12192	298	158	0	0	Pass
7	12092	260	155	0	0	Pass
8	12171	305	158	0	0	Pass
9	11817	239	148	0	0	Pass
10	12103	290	156	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	203.567	1.867	0.042	Pass
2	202.167	2.367	0.036	Pass
3	202.217	1.750	0.077	Pass
4	201.033	2.250	0.088	Pass
5	199.183	2.033	0.041	Pass
6	201.867	2.333	0.003	Pass
7	200.200	1.750	0.011	Pass
8	201.517	2.450	0.035	Pass
9	195.617	1.517	-0.002	Pass
10	200.383	2.233	0.038	Pass

【AFAS 性能確認試験】

(2)　2.4　AFAS の故障時の測定パラメータの再評価方法の検討及び故障時の測定性能の評価

Background_Normal.txt

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Measurement date:	21.10.13 10:19:35
Results file name:	1ADK1935.BKG
Inspection number:	
Measurement option:	Background
Detector configuration:	Passive
Data source:	Shift register
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	Normal Long
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
Number passive cycles:	30
Count time (sec):	60

Passive messages

Background doubles rate greater than 1.0

Results

Singles:	15761.615 +-	3.593
Doubles:	4.984 +-	2.844
Triples:	-1.325 +-	1.817
Quads:	-0.366 +-	1.580
Quads/Triples:	-1.838 +-	1.685
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	15744.265	25.421	-4.374	Pass

(1)

Background_Normal.txt

2	15773.160	9.016	0.188	Pass
3	15759.022	-16.892	1.106	Pass
4	15765.606	11.379	-12.210	Pass
5	15770.486	-6.368	1.169	Pass
6	15751.518	8.027	6.196	Pass
7	15750.348	12.518	-8.138	Pass
8	15766.492	10.306	-3.089	Pass
9	15747.139	-11.881	-13.648	Pass
10	15736.126	28.387	13.563	Pass
11	15793.766	-12.568	-12.909	Pass
12	15734.990	16.557	-12.174	Pass
13	15773.879	0.117	-10.155	Pass
14	15759.540	17.043	6.330	Pass
15	15767.094	-7.960	-4.558	Pass
16	15787.716	24.684	22.993	Pass
17	15763.216	2.530	5.573	Pass
18	15760.191	-11.161	0.338	Pass
19	15735.541	-36.364	-12.846	Pass
20	15779.611	19.674	-1.191	Pass
21	15805.582	18.819	-2.028	Pass
22	15773.461	0.184	-10.362	Pass
23	15802.824	15.954	-21.565	Pass
24	15771.288	-1.424	15.683	Pass
25	15735.658	-13.607	10.466	Pass
26	15757.300	4.441	2.391	Pass
27	15732.750	23.729	-0.326	Pass
28	15740.588	-8.094	-5.001	Pass
29	15758.971	1.760	10.047	Pass
30	15750.315	25.304	-1.285	Pass

(2)

Background_ampB.txt

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Measurement date:	21.10.13 10:58:01
Results file name:	1ADK5801.BKG
Inspection number:	
Measurement option:	Background
Detector configuration:	Passive
Data source:	Shift register
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	ampB Long
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
Number passive cycles:	30
Count time (sec):	60

Passive messages

Background doubles rate greater than 1.0

Results

Singles:	14779.310 +-	3.427
Doubles:	4.352 +-	3.282
Triples:	0.976 +-	1.927
Quads:	1.608 +-	1.041
Quads/Triples:	1.321 +-	1.623
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	14749.294	0.553	2.177	Pass

(1)

Background_ampB.txt

2	14769.897	21.175	-22.397	Pass
3	14818.956	6.081	63.541	Fail outlier test
4	14789.012	-23.185	2.149	Pass
5	14760.590	10.420	-17.227	Pass
6	14776.397	-8.611	-0.750	Pass
7	14765.285	30.974	-0.140	Pass
8	14763.029	23.335	5.921	Pass
9	14736.428	-16.903	9.129	Pass
10	14760.022	10.286	-5.429	Pass
11	14766.388	-23.587	2.701	Pass
12	14783.766	25.145	18.211	Pass
13	14779.020	11.961	-6.891	Pass
14	14759.003	-20.186	0.783	Pass
15	14808.345	-1.826	-15.238	Pass
16	14779.187	24.475	14.484	Pass
17	14765.302	-15.362	-6.769	Pass
18	14776.531	-11.961	-8.480	Pass
19	14811.871	34.761	14.110	Pass
20	14787.709	0.704	1.865	Pass
21	14779.538	-16.451	15.888	Pass
22	14806.273	9.599	5.934	Pass
23	14791.519	38.496	11.245	Pass
24	14801.862	0.553	-2.060	Pass
25	14814.778	1.307	-5.117	Pass
26	14769.563	0.117	3.477	Pass
27	14787.024	2.613	6.738	Pass
28	14791.435	-6.031	-16.155	Pass
29	14795.245	16.635	-4.278	Pass
30	14769.813	-13.067	7.465	Pass
31	14785.186	24.609	17.781	Pass

(2)

INCC 5.1.2

Facility:	PPFF
Material balance area:	JM2G
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Measurement date:	21.10.13 13:48:30
Results file name:	1ADN4830.BKG
Inspection number:	
Measurement option:	Background
Detector configuration:	Passive
Data source:	Shift register
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	ampG Long
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
Number passive cycles:	30
Count time (sec):	60

Passive messages

Background triples rate greater than 1.0

Results

Singles:	14454.785 +-	3.056
Doubles:	-0.341 +-	2.494
Triples:	1.162 +-	1.738
Quads:	-1.081 +-	1.208
Quads/Triples:	0.574 +-	0.630
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	14453.498	-1.055	-5.169	Pass

(1)

2	14444.777	2.881	-10.216	Pass
3	14447.834	14.221	-7.294	Pass
4	14425.863	-27.135	8.316	Pass
5	14459.196	11.558	0.314	Pass
6	14434.434	11.507	-11.155	Pass
7	14470.207	-10.888	27.935	Pass
8	14457.057	-10.084	10.894	Pass
9	14463.774	-16.566	-0.664	Pass
10	14472.229	3.501	5.606	Pass
11	14431.544	-5.293	1.797	Pass
12	14431.494	-1.524	-15.755	Pass
13	14463.022	-10.938	8.548	Pass
14	14481.234	-1.240	0.229	Pass
15	14454.334	-19.899	-1.848	Pass
16	14441.001	-16.130	10.114	Pass
17	14467.049	8.543	5.253	Pass
18	14449.371	-9.380	8.133	Pass
19	14442.103	14.941	15.468	Pass
20	14480.198	-10.050	-2.163	Pass
21	14471.794	13.032	-10.472	Pass
22	14492.145	7.353	1.290	Pass
23	14447.032	-10.770	-11.540	Pass
24	14464.593	14.154	-3.203	Pass
25	14465.378	-20.770	-1.081	Pass
26	14456.823	15.913	-7.351	Pass
27	14465.311	31.390	15.683	Pass
28	14438.143	10.117	4.724	Pass
29	14434.785	-5.343	1.557	Pass
30	14437.325	7.739	-3.161	Pass

(2)

INCC 5.1.2

Facility:	PPFF			
Material balance area:	XXXX			
Detector type:	COLLAR			
Detector id:	AFASP			
Electronics id:	JSR-15			
Inventory change code:				
I/O code:				
Measurement date:	21.10.13 14:48:19			
Results file name:	1AD04819.VER			
Inspection number:				
Item id:	A			
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:	Database			
QC tests:	On			
Error calculation:	Sample method			
Accidentals method:	Measured			
Inspector name:				
Passive comment:	Normal			
Isotopics id:	PPFPHF			
Isotopics source code:	OD			
Pu238:	1.3233 +-	0.0000	1.2535 +-	0.0000
Pu239:	61.4933 +-	0.0000	62.3804 +-	0.0000
Pu240:	27.8411 +-	0.0000	28.2239 +-	0.0000
Pu241:	3.8401 +-	0.0000	2.5593 +-	0.0000
Pu242:	5.5022 +-	0.0000	5.5829 +-	0.0000
Pu date:	13.01.30		21.10.13	
Am241:	6.3855 +-	0.0000	7.7170 +-	0.0000
Am date:	13.01.30		21.10.13	
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			
Normalization constant:	1.0000 +-	0.0000		

(1)

Passive singles bkgrnd:	15761.615 +-	3.593
Passive doubles bkgrnd:	4.984 +-	2.844
Passive triples bkgrnd:	-1.325 +-	1.817
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:	72923.006 +-	9.803
Doubles:	3593.531 +-	39.374
Triples:	294.846 +-	41.581
Quads:	96.609 +-	70.911
Quads/Triples:	0.263 +-	0.231
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.054	
Multiplication:	1.016	
Multiplication corrected doubles:	3240.645 +-	6.829
Pu240e mass (g):	3.764 +-	0.008
Pu240e (%):	40.762	
Pu mass (g):	9.234 +-	0.019
Declared Pu240e mass (g):	3.837	
Declared Pu mass (g):	9.413	
Declared - assay Pu mass (g):	0.179 +-	0.019
Declared - assay Pu mass (%):	1.897 +-	0.207

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	9.280000e-002
k:	2.166000e+000
a:	0.000000e+000
b:	8.609406e+002
variance a:	0.000000e+000
variance b:	0.000000e+000
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle rate data

(2)

Assembly A_Normal.txt

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	72915.371	3427.842	430.245	3.797	Pass
2	72932.211	3725.398	211.610	3.738	Pass
3	72882.216	3564.788	319.860	3.767	Pass
4	72960.340	3561.584	306.182	3.773	Pass
5	72914.846	3768.563	255.513	3.729	Pass
6	72886.430	3631.025	178.968	3.754	Pass
7	72911.427	3556.987	369.191	3.771	Pass
8	72971.662	3372.312	56.077	3.813	Pass
9	72940.724	3659.485	522.370	3.752	Pass
10	72914.829	3667.323	299.089	3.749	Pass

(3)

Assembly A_ampB.txt

INCC 5.1.2

Facility:	PPFF
Material balance area:	XXXX
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Inventory change code:	
I/O code:	
Measurement date:	21.10.13 15:02:08
Results file name:	1ADP0208.VER
Inspection number:	
Item id:	A
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:	Database
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	ampB

Isotopics id:	PPFPHF				
Isotopics source code:	OD				
Pu238:	1.3233	+-	0.0000	1.2535	+- 0.0000
Pu239:	61.4933	+-	0.0000	62.3804	+- 0.0000
Pu240:	27.8411	+-	0.0000	28.2239	+- 0.0000
Pu241:	3.8401	+-	0.0000	2.5593	+- 0.0000
Pu242:	5.5022	+-	0.0000	5.5829	+- 0.0000
Pu date:	13.01.30			21.10.13	
Am241:	6.3855	+-	0.0000	7.7170	+- 0.0000
Am date:	13.01.30			21.10.13	

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

Normalization constant: 1.0000 +- 0.0000

(1)

Assembly A_ampB.txt

Passive singles bkgrnd:	14779.310	+-	3.427
Passive doubles bkgrnd:	4.352	+-	3.282
Passive triples bkgrnd:	0.976	+-	1.927
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:	66987.806	+-	13.121
Doubles:	3015.680	+-	24.921
Triples:	206.720	+-	41.744
Quads:	-14.783	+-	73.167
Quads/Triples:	0.285	+-	0.465
Scaler 1:	0.000	+-	0.000
Scaler 2:	0.000	+-	0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.054		
Multiplication:	1.000		
Multiplication corrected doubles:	3015.680	+-	24.921
Pu240e mass (g):	3.503	+-	0.029
Pu240e (%):	40.762		
Pu mass (g):	8.593	+-	0.071
Declared Pu240e mass (g):	3.837		
Declared Pu mass (g):	9.413		
Declared - assay Pu mass (g):	0.820	+-	0.071
Declared - assay Pu mass (%):	8.707	+-	0.754

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	9.280000e-002
k:	2.166000e+000
a:	0.000000e+000
b:	8.609406e+002
variance a:	0.000000e+000
variance b:	0.000000e+000
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle rate data

(2)

Assembly A_ampB.txt

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	67029.421	3005.222	318.493	3.491	Pass
2	67031.585	2954.407	178.092	3.432	Pass
3	66934.453	2878.290	266.534	3.343	Pass
4	67015.678	2945.938	-34.219	3.422	Pass
5	67033.681	3126.321	111.063	3.496	Pass
6	67006.786	3004.290	426.636	3.490	Pass
7	66944.916	3122.127	201.222	3.492	Pass
8	66940.724	3022.600	165.301	3.511	Pass
9	66974.820	3075.046	322.082	3.503	Pass
10	66965.996	3022.558	111.936	3.511	Pass

(3)

INCC 5.1.2

Facility:	PPFF
Material balance area:	XXXX
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Inventory change code:	
I/O code:	
Measurement date:	21.10.13 15:29:09
Results file name:	1ADP2909.VER
Inspection number:	
Item id:	A
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:	Database
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	ampG

Isotopics id:	PPFPHF				
Isotopics source code:	OD				
Pu238:	1.3233	+-	0.0000	1.2535	+- 0.0000
Pu239:	61.4933	+-	0.0000	62.3804	+- 0.0000
Pu240:	27.8411	+-	0.0000	28.2239	+- 0.0000
Pu241:	3.8401	+-	0.0000	2.5593	+- 0.0000
Pu242:	5.5022	+-	0.0000	5.5829	+- 0.0000
Pu date:	13.01.30			21.10.13	
Am241:	6.3855	+-	0.0000	7.7170	+- 0.0000
Am date:	13.01.30			21.10.13	

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

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd:	14454.785	+- 3.056
Passive doubles bkgrnd:	-0.341	+- 2.494
Passive triples bkgrnd:	1.162	+- 1.738
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:	66941.462	+- 14.003
Doubles:	3040.992	+- 34.837
Triples:	229.363	+- 44.137
Quads:	-65.504	+- 46.357
Quads/Triples:	0.740	+- 0.904
Scaler 1:	0.000	+- 0.000
Scaler 2:	0.000	+- 0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.054	
Multiplication:	1.001	
Multiplication corrected doubles:	3020.659	+- 6.412
Pu240e mass (g):	3.509	+- 0.007
Pu240e (%):	40.762	
Pu mass (g):	8.607	+- 0.018
Declared Pu240e mass (g):	3.837	
Declared Pu mass (g):	9.413	
Declared - assay Pu mass (g):	0.805	+- 0.018
Declared - assay Pu mass (%):	8.556	+- 0.194

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	9.280000e-002
k:	2.166000e+000
a:	0.000000e+000
b:	8.609406e+002
variance a:	0.000000e+000
variance b:	0.000000e+000
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	66924.352	3132.429	291.366	3.488	Pass
2	66879.931	2823.464	106.905	3.280	Pass
3	66956.029	3076.064	106.760	3.502	Pass
4	66906.722	3025.648	171.419	3.510	Pass
5	66893.589	2934.713	330.521	3.409	Pass
6	66957.331	3028.461	423.380	3.512	Pass
7	67019.484	2969.795	-28.792	3.449	Pass
8	66945.769	3086.785	367.216	3.499	Pass
9	66938.467	3193.728	294.931	3.476	Pass
10	66992.946	3138.829	228.875	3.491	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	XXXX
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Inventory change code:	
I/O code:	
Measurement date:	21.10.14 10:47:19
Results file name:	1AEK4719.VER
Inspection number:	
Item id:	B
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:	8.486
Measurement option:	Verification
Data source:	Shift register
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	Normal

Isotopics id:	PPFPHH				
Isotopics source code:	OD				
Pu238:	1.2638	+-	0.0000	1.1967	+- 0.0000
Pu239:	62.3620	+-	0.0000	63.2371	+- 0.0000
Pu240:	27.3883	+-	0.0000	27.7541	+- 0.0000
Pu241:	3.7397	+-	0.0000	2.4911	+- 0.0000
Pu242:	5.2462	+-	0.0000	5.3211	+- 0.0000
Pu date:	13.01.30			21.10.14	
Am241:	6.4546	+-	0.0000	7.7488	+- 0.0000
Am date:	13.01.30			21.10.14	

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

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd:	15761.615 +-	3.593
Passive doubles bkgrnd:	4.984 +-	2.844
Passive triples bkgrnd:	-1.325 +-	1.817
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:	63256.015 +-	15.842
Doubles:	3009.412 +-	23.884
Triples:	190.142 +-	26.660
Quads:	9.065 +-	53.635
Quads/Triples:	0.095 +-	0.326
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.065	
Multiplication:	1.011	
Multiplication corrected doubles:	2812.950 +-	4.283
Pu240e mass (g):	3.267 +-	0.005
Pu240e (%):	39.709	
Pu mass (g):	8.228 +-	0.013
Declared Pu240e mass (g):	3.322	
Declared Pu mass (g):	8.366	
Declared - assay Pu mass (g):	0.138 +-	0.013
Declared - assay Pu mass (%):	1.654 +-	0.150

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	9.280000e-002
k:	2.166000e+000
a:	0.000000e+000
b:	8.609406e+002
variance a:	0.000000e+000
variance b:	0.000000e+000
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	63181.590	3014.061	102.409	3.262	Pass
2	63194.127	3027.109	88.849	3.260	Pass
3	63290.622	2876.393	195.848	3.297	Pass
4	63343.711	3116.918	225.841	3.251	Pass
5	63266.764	3063.137	289.296	3.257	Pass
6	63232.684	2982.410	73.850	3.271	Pass
7	63267.102	3012.300	312.510	3.267	Pass
8	63279.724	2937.274	193.952	3.284	Pass
9	63221.989	2957.580	157.575	3.276	Pass
10	63281.836	3106.934	260.869	3.249	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	XXXX
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Inventory change code:	
I/O code:	
Measurement date:	21.10.14 10:59:19
Results file name:	1AEK5919.VER
Inspection number:	
Item id:	B
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:	8.486
Measurement option:	Verification
Data source:	Shift register
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	ampB
Isotopics id:	PPFPHH
Isotopics source code:	OD

Pu238:	1.2638 +-	0.0000	1.1967 +-	0.0000
Pu239:	62.3620 +-	0.0000	63.2371 +-	0.0000
Pu240:	27.3883 +-	0.0000	27.7541 +-	0.0000
Pu241:	3.7397 +-	0.0000	2.4911 +-	0.0000
Pu242:	5.2462 +-	0.0000	5.3211 +-	0.0000
Pu date:	13.01.30		21.10.14	
Am241:	6.4546 +-	0.0000	7.7488 +-	0.0000
Am date:	13.01.30		21.10.14	

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
Normalization constant:	1.0000 +- 0.0000

Passive singles bkgrnd:	14779.310 +-	3.427
Passive doubles bkgrnd:	4.352 +-	3.282
Passive triples bkgrnd:	0.976 +-	1.927
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:	58171.100 +-	10.095
Doubles:	2541.815 +-	23.644
Triples:	221.537 +-	38.736
Quads:	-32.147 +-	36.022
Quads/Triples:	-0.418 +-	0.296
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.065	
Multiplication:	1.000	
Multiplication corrected doubles:	2541.815 +-	23.644
Pu240e mass (g):	2.952 +-	0.027
Pu240e (%):	39.709	
Pu mass (g):	7.435 +-	0.069
Declared Pu240e mass (g):	3.322	
Declared Pu mass (g):	8.366	
Declared - assay Pu mass (g):	0.931 +-	0.069
Declared - assay Pu mass (%):	11.133 +-	0.827

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	9.280000e-002
k:	2.166000e+000
a:	0.000000e+000
b:	8.609406e+002
variance a:	0.000000e+000
variance b:	0.000000e+000
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	58162.170	2598.561	422.496	3.018	Pass
2	58164.533	2471.019	349.123	2.870	Pass
3	58224.739	2483.326	171.200	2.884	Pass
4	58151.199	2602.174	141.819	3.022	Pass
5	58210.122	2688.460	274.450	3.023	Pass
6	58134.928	2545.772	336.357	2.957	Pass
7	58191.471	2538.660	139.549	2.949	Pass
8	58134.000	2436.501	128.218	2.830	Pass
9	58162.322	2504.724	224.557	2.909	Pass
10	58175.521	2548.953	27.275	2.961	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	XXXX
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Inventory change code:	
I/O code:	
Measurement date:	21.10.14 11:25:11
Results file name:	1AEL2511.VER
Inspection number:	
Item id:	B
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:	8.486
Measurement option:	Verification
Data source:	Shift register
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	ampG

Isotopics id:	PPFPHH				
Isotopics source code:	OD				
Pu238:	1.2638	+-	0.0000	1.1967	+- 0.0000
Pu239:	62.3620	+-	0.0000	63.2371	+- 0.0000
Pu240:	27.3883	+-	0.0000	27.7541	+- 0.0000
Pu241:	3.7397	+-	0.0000	2.4911	+- 0.0000
Pu242:	5.2462	+-	0.0000	5.3211	+- 0.0000
Pu date:	13.01.30			21.10.14	
Am241:	6.4546	+-	0.0000	7.7488	+- 0.0000
Am date:	13.01.30			21.10.14	

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

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd:	14454.785	+- 3.056
Passive doubles bkgrnd:	-0.341	+- 2.494
Passive triples bkgrnd:	1.162	+- 1.738
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:	57984.087	+- 19.985
Doubles:	2531.354	+- 16.256
Triples:	206.853	+- 39.304
Quads:	-15.011	+- 66.885
Quads/Triples:	-0.722	+- 0.815
Scaler 1:	0.000	+- 0.000
Scaler 2:	0.000	+- 0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.065	
Multiplication:	1.000	
Multiplication corrected doubles:	2531.354	+- 16.256
Pu240e mass (g):	2.940	+- 0.019
Pu240e (%):	39.709	
Pu mass (g):	7.404	+- 0.048
Declared Pu240e mass (g):	3.322	
Declared Pu mass (g):	8.366	
Declared - assay Pu mass (g):	0.962	+- 0.048
Declared - assay Pu mass (%):	11.499	+- 0.568

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	9.280000e-002
k:	2.166000e+000
a:	0.000000e+000
b:	8.609406e+002
variance a:	0.000000e+000
variance b:	0.000000e+000
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	57895.050	2466.710	136.358	2.865	Pass
2	57929.343	2444.899	98.493	2.840	Pass
3	57995.434	2537.956	138.333	2.948	Pass
4	57926.255	2542.732	238.282	2.953	Pass
5	58073.811	2548.501	493.695	2.960	Pass
6	57987.383	2495.960	226.146	2.899	Pass
7	58004.007	2616.849	233.777	3.026	Pass
8	58092.275	2559.609	283.467	2.973	Pass
9	57974.472	2572.903	45.582	2.988	Pass
10	57962.844	2527.418	173.471	2.936	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	XXXX
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Inventory change code:	
I/O code:	
Measurement date:	21.10.14 13:56:33
Results file name:	1AEN5633.VER
Inspection number:	
Item id:	C
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:	5.218
Measurement option:	Verification
Data source:	Shift register
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	Normal

Isotopics id:	PPFPHP				
Isotopics source code:	OD				
Pu238:	0.8404 +-	0.0000	0.7920 +-	0.0000	
Pu239:	68.9247 +-	0.0000	69.5618 +-	0.0000	
Pu240:	24.2715 +-	0.0000	24.4795 +-	0.0000	
Pu241:	2.4621 +-	0.0000	1.6323 +-	0.0000	
Pu242:	3.5013 +-	0.0000	3.5345 +-	0.0000	
Pu date:	13.01.30		21.10.14		
Am241:	6.2192 +-	0.0000	7.0384 +-	0.0000	
Am date:	13.01.30		21.10.14		

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

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd:	15761.615 +- 3.593
Passive doubles bkgrnd:	4.984 +- 2.844
Passive triples bkgrnd:	-1.325 +- 1.817
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:	32146.677 +-	7.668
Doubles:	1441.171 +-	21.370
Triples:	93.600 +-	20.307
Quads:	41.279 +-	23.911
Quads/Triples:	0.722 +-	0.398
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.077	
Multiplication:	1.001	
Multiplication corrected doubles:	1435.580 +-	3.899
Pu240e mass (g):	1.667 +-	0.005
Pu240e (%):	32.413	
Pu mass (g):	5.144 +-	0.014
Declared Pu240e mass (g):	1.675	
Declared Pu mass (g):	5.169	
Declared - assay Pu mass (g):	0.025 +-	0.014
Declared - assay Pu mass (%):	0.475 +-	0.270

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	9.280000e-002
k:	2.166000e+000
a:	0.000000e+000
b:	8.609406e+002
variance a:	0.000000e+000
variance b:	0.000000e+000
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	32162.152	1359.847	90.028	1.579	Pass
2	32104.509	1408.061	147.715	1.635	Pass
3	32147.699	1381.869	72.575	1.605	Pass
4	32134.792	1439.746	133.034	1.667	Pass
5	32152.320	1341.084	42.859	1.558	Pass
6	32121.852	1492.049	32.348	1.655	Pass
7	32149.682	1478.745	26.315	1.660	Pass
8	32154.438	1506.910	236.709	1.654	Pass
9	32179.562	1543.406	77.770	1.648	Pass
10	32159.765	1459.991	76.494	1.664	Pass

INCC 5.1.2

Facility:	PPFF
Material balance area:	XXXX
Detector type:	COLLAR
Detector id:	AFASP
Electronics id:	JSR-15
Inventory change code:	
I/O code:	
Measurement date:	21.10.14 14:09:58
Results file name:	1AE00958.VER
Inspection number:	
Item id:	C
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:	5.218
Measurement option:	Verification
Data source:	Database
QC tests:	On
Error calculation:	Sample method
Accidentals method:	Measured
Inspector name:	
Passive comment:	ampB

Isotopics id:	PPFPHP				
Isotopics source code:	OD				
Pu238:	0.8404 +-	0.0000	0.7920 +-	0.0000	
Pu239:	68.9252 +-	0.0000	69.5618 +-	0.0000	
Pu240:	24.2716 +-	0.0000	24.4794 +-	0.0000	
Pu241:	2.4614 +-	0.0000	1.6323 +-	0.0000	
Pu242:	3.5013 +-	0.0000	3.5345 +-	0.0000	
Pu date:	13.02.01		21.10.14		
Am241:	6.2199 +-	0.0000	7.0384 +-	0.0000	
Am date:	13.02.01		21.10.14		

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

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd:	14779.310 +-	3.427
Passive doubles bkgrnd:	4.352 +-	3.282
Passive triples bkgrnd:	0.976 +-	1.927
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:	29528.121 +-	12.538
Doubles:	1216.831 +-	15.357
Triples:	85.020 +-	23.247
Quads:	12.271 +-	24.450
Quads/Triples:	0.680 +-	0.306
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.077	
Multiplication:	1.001	
Multiplication corrected doubles:	1207.249 +-	2.846
Pu240e mass (g):	1.665 +-	0.004
Pu240e (%):	32.413	
Pu mass (g):	5.137 +-	0.013
Declared Pu240e mass (g):	1.675	
Declared Pu mass (g):	5.169	
Declared - assay Pu mass (g):	0.032 +-	0.013
Declared - assay Pu mass (%):	0.611 +-	0.243

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	8.501387e-002
k:	2.166000e+000
a:	0.000000e+000
b:	7.249903e+002
variance a:	0.000000e+000
variance b:	2.082987e-001
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2649351	7561834	7486994	0	0	Pass
2	2650624	7564187	7494194	0	0	Pass
3	2645425	7538365	7464811	0	0	Pass
4	2648591	7556509	7482700	0	0	Pass
5	2644624	7534799	7460304	0	0	Pass
6	2648123	7551267	7480058	0	0	Pass
7	2645909	7535811	7467568	0	0	Pass
8	2648655	7553790	7483074	0	0	Pass
9	2650911	7564263	7495802	0	0	Pass
10	2650614	7570401	7494152	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	29546.063	1262.247	-24.874	1.655	Pass
2	29567.443	1180.225	-30.891	1.628	Pass
3	29480.126	1240.455	104.372	1.656	Pass
4	29533.298	1244.793	132.962	1.659	Pass
5	29466.673	1256.374	158.870	1.651	Pass
6	29525.438	1200.787	102.968	1.656	Pass
7	29488.254	1150.576	21.876	1.587	Pass
8	29534.373	1192.448	139.560	1.645	Pass
9	29572.263	1154.299	75.116	1.592	Pass
10	29567.275	1286.103	170.364	1.651	Pass

INCC 5.1.2

Facility:	PPFF				
Material balance area:	XXXX				
Detector type:	COLLAR				
Detector id:	AFASP				
Electronics id:	JSR-15				
Inventory change code:					
I/O code:					
Measurement date:	21.10.14 14:35:40				
Results file name:	1AE03540.VER				
Inspection number:					
Item id:	C				
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:	5.218				
Measurement option:	Verification				
Data source:	Database				
QC tests:	On				
Error calculation:	Sample method				
Accidentals method:	Measured				
Inspector name:					
Passive comment:	ampG				
Isotopics id:	PPFPHP				
Isotopics source code:	OD				
Pu238:	0.8404 +-	0.0000	0.7920 +-	0.0000	
Pu239:	68.9252 +-	0.0000	69.5618 +-	0.0000	
Pu240:	24.2716 +-	0.0000	24.4794 +-	0.0000	
Pu241:	2.4614 +-	0.0000	1.6323 +-	0.0000	
Pu242:	3.5013 +-	0.0000	3.5345 +-	0.0000	
Pu date:	13.02.01		21.10.14		
Am241:	6.2199 +-	0.0000	7.0384 +-	0.0000	
Am date:	13.02.01		21.10.14		
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				
Normalization constant:	1.0000 +-	0.0000			

Passive singles bkgrnd:	14454.785 +-	3.056
Passive doubles bkgrnd:	-0.341 +-	2.494
Passive triples bkgrnd:	1.162 +-	1.738
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:	29451.419 +-	10.886
Doubles:	1245.222 +-	16.560
Triples:	78.776 +-	18.355
Quads:	-12.681 +-	24.513
Quads/Triples:	-1.734 +-	1.502
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

PRIMARY RESULT

Known alpha results

Alpha:	1.077	
Multiplication:	1.005	
Multiplication corrected doubles:	1204.259 +-	3.002
Pu240e mass (g):	1.662 +-	0.009
Pu240e (%):	32.413	
Pu mass (g):	5.128 +-	0.028
Declared Pu240e mass (g):	1.675	
Declared Pu mass (g):	5.169	
Declared - assay Pu mass (g):	0.041 +-	0.028
Declared - assay Pu mass (%):	0.792 +-	0.541

Known alpha calibration parameters

Alpha weight:	1.000000e+000
Rho zero:	8.536166e-002
k:	2.166000e+000
a:	0.000000e+000
b:	7.245155e+002
variance a:	0.000000e+000
variance b:	1.232918e+001
covariance ab:	0.000000e+000
sigma x:	0.000000e+000

Passive cycle raw data

Assembly C_ampG.txt

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2622913	7407463	7338336	0	0	Pass
2	2621898	7408638	7332654	0	0	Pass
3	2623318	7411500	7340582	0	0	Pass
4	2625373	7422474	7352088	0	0	Pass
5	2621770	7405033	7331926	0	0	Pass
6	2625347	7424269	7351936	0	0	Pass
7	2625627	7432079	7353521	0	0	Pass
8	2626068	7431148	7355981	0	0	Pass
9	2627829	7438900	7365848	0	0	Pass
10	2623778	7420203	7343161	0	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	29426.579	1170.073	85.029	1.615	Pass
2	29409.533	1286.096	79.543	1.649	Pass
3	29433.380	1200.382	5.843	1.657	Pass
4	29467.891	1191.394	97.579	1.644	Pass
5	29407.384	1237.412	146.098	1.661	Pass
6	29467.455	1224.340	156.676	1.668	Pass
7	29472.157	1329.680	58.339	1.643	Pass
8	29479.563	1272.302	139.596	1.657	Pass
9	29509.137	1236.525	12.540	1.668	Pass
10	29441.105	1304.013	6.436	1.647	Pass

(3)

【IPCA 性能確認試験】

(1)　4.1　長期管理限界の妥当性確認