Check list

Name: M. Lehmann

Time: 5:08 28.03.2014

Agata

- Run number: 60
- Agava requested: 450
- Agava validated: 370
- Screenshot trigger rate + spectrum of time coincidence : ✓
- Check in Go4 that all Agata-TDC spectra are there: ✓
- Check that the last .cdat files has been written less then 10 minutes ago for all the crystals: ✓
- Copy and paste in a text file the GTS rate: ✓
- Check Spectra of all crystals: ✓
- Check at the sum spectra "Global level":
- - number of counts in 511 keV:
- - number of counts in 1460 keV K:
-
- Crystals with problems: 07 B

General

- lmd file nr: 1072
- Beam intensity: $8{,}2 \cdot 10^8$
- Scaler sc at S4: 3200
- Scaler sc at S2: 65000
- Check in Go4 all the spectra of the list* : ✓
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers: ✓

Comments:

Exp No.	Primary Beam:	Date

MBS/file location /d/rising62/mar-AG_14/data/	**File (first)** **File (last)** 1073	**Start** **Stop** 6:45
Narval/file location	**File (first)** **File (last)** ARGO	**Start** **Stop** → 7:55
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) ☐ Calibration run ☒ Production run

COMMENTS: **shift-in-charge**

FRS/BEAMLINE elements
- ☐ SEETRAM
- ☐ SCI-01
- ☐ FRS-TA0
- ☐ S1-degrader
- ☐ S2-degrader
- ☐ SCI-21
- ☐ S4-degrader
- ☐ LYCCA-Start
- ☐ LYCCA-TaStart
- ☐ TA1
- ☐ TaDSSD

SPILL
- spill length: 1s
- period: 3 s

FRS setting No.
- 5426-31

PRIMARY BEAM
- Element: 86 Kr 33+
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 8.4 x 10^8

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 35
- element: Be
- thickness: 2.5 g/cm^2

S1 DEGRADER
TS3ED2...
- Thickness:
- Wedge used:
- O2 (Wedge Oben):
- V1 (Wedge Unten):

S2 DEGRADER
TS3ED7...
- Thickness:
- L (Ladder):
- D (Disk):
- VO (Wedge Oben):
- VU (Wedge Unten):

S4 DEGRADER
HFSED3...
- Thickness:
- O (Wedge Oben):
- U (Wedge Unten):

S0 SLITS
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left):
- TS3DS2HR (right):

S2 SLITS
☐ beam plug out
- TS4DS1HL (left):
- TS4DS1HR (right):
- TS4DS1VO (left):
- TS4DS1VU (right):

S3 SLITS
- TS4DS3HL (left):
- TS4DS3HR (right):

S4 SLITS
- HFSDS3H (left):
- HFSDS3H (right):
- Pb Brick (top):
- Pb Brick (bottom):

MAGNETS
Field values from Hall probes:
- TS3MU1: .89845
- TS3MU2: .84554
- TS4MU1: .71024
- HFSMU1: .70964

FRS-RATES
(counts/spill)
- 10 kHrtz : 31.7
- 10 kHrtz veto dT : 31.3
- SC21L: 67
- SC21R: 64
- SC41L: 3.2
- SC41R: 3.2

TA1
- Element :
- Thickness :
- Position:

PreSPEC-Trig/red.
- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/.....
- ☐ AgataCal(3)/.....
- ☐ HEC Cal(4)/.....
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.....
- ☐ p+Agata(7)/.....
- ☐ p+HEC+Lyc(8)/.....
- ☐ p+Agata+Lyc(9)/...
- ☐ Part-SC41(10)/.....
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

FRS-TRIGGER
- ☐ SCI21
- ☐ SCI41
- ☐ Other:

PreSPEC-Rates
(Validated/Rejected)
- AGATA :
- FRS :
- Ta-ToF-LYCCA : 2.5
- HECTOR : 470

LYCCA / Pls. check
- ☐ Run-sheet filled
- ☐ Run-sheet uploaded on elog

LN2
- LN2 Last Filling :
- Tank1 Vol. (%) : .55
- Tank2 Vol. (%) : 49.5

Check list

Name: Tom Alexander

Time: 6:52

Agata

- Run number: 60
- Agava requested: 520
- Agava validated: 426
- Screenshot trigger rate + spectrum of time coincidence : ✓
- Check in Go4 that all Agata-TDC spectra are there: ✓
- Check that the last .cdat files has been written less then 10 minutes ago for all the crystals: ✓
- Copy and paste in a text file the GTS rate: ✓
- Check Spectra of all crystals: ✓
- Check at the sum spectra "Global level":
- - number of counts in 511 keV:
- - number of counts in 1460 keV K:
-
- Crystals with problems: 07B not active

General

- lmd file nr: 1073
- Beam intensity: 8.4×10^8
- Scaler sc at S4: 3.2K
- Scaler sc at S2: 66K
- Check in Go4 all the spectra of the list* : ✓
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: ✓

Comments:

Exp No. | Primary Beam: | Date

MBS/file location /rider02/mar_A6_14/data/	**File (first)** 62Fe_coulex_ar61_1074 **File (last)**	**Start** 8:10 **Stop**
Narval/file location	**File (first)** 62 ? **File (last)**	**Start** 8:10 **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) 62Fe ☐ Calibration run ☑ Production run

COMMENTS: **shift-in-charge**

FRS/BEAMLINE elements
- ☑ SEETRAM
- ☐ SCI-01
- ☑ FRS-TA0
- ☑ S1-degrader
- ☑ S2-degrader
- ☑ SCI-21
- ☐ S4-degrader
- ☑ LYCCA-Start
- ☑ LYCCA-TaStart
- ☐ TA1
- ☑ TaDSSD

SPILL
- spill length: 1s
- period: 3s

FRS setting No.
5426-31(

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 8-20x10^8

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 35
- element: Be
- thickness: 2.5g/cm²

S1 DEGRADER
TS3ED2...
- Thickness:
- Wedge used:
- O2 (Wedge Oben):
- V1 (Wedge Unten):

S2 DEGRADER
TS3ED7...
- Thickness:
- L (Ladder):
- D (Disk):
- VO (Wedge Oben):
- VU (Wedge Unten):

S4 DEGRADER
HFSED3...
- Thickness:
- O (Wedge Oben):
- U (Wedge Unten):

S0 SLITS
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): -9
- TS3DS2HR (right): 7

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -20
- TS4DS1HR (right): 20
- TS4DS1VO (left):
- TS4DS1VU (right):

S3 SLITS
- TS4DS3HL (left):
- TS4DS3HR (right):

S4 SLITS
- HFSDS3H (left): -35
- HFSDS3H (right): 35
- Pb Brick (top):
- Pb Brick (bottom):

MAGNETS
Field values from Hall probes:
- TS3MU1: 0.89835
- TS3MU2: 0.84554
- TS4MU1: 0.71024
- HFSMU1: 0.79644

FRS-RATES (counts/spill)
- 10 kHrtz : 20k
- 10 kHrtz veto dT : 19.5k
- SC21L: 66K
- SC21R: 64K
- SC41L: 3.2k
- SC41R: 3.2K

TA1
- Element :
- Thickness :
- Position:

PreSPEC-Trig/red.
- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/.....
- ☑ AgataCal(3)/..8.
- ☐ HEC Cal(4)/.....
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.....
- ☐ p+Agata(7)/.....
- ☑ p+HEC+Lyc(8)/.....
- ☑ p+Agata+Lyc(9)/...
- ☑ Part-SC41(10)/8..
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

FRS-TRIGGER
- ☐ SCI21
- ☑ SCI41
- ☐ Other:

PreSPEC-Rates (Validated/Rejected)
- AGATA : 332/64
- FRS :
- Ta-ToF-LYCCA :
- HECTOR : 450

LYCCA / PIs. check
- ☐ Run-sheet filled
- ☐ Run-sheet uploaded on elog

LN2
- LN2 Last Filling : 8:01
- Tank1 Vol. (%) : 55
- Tank2 Vol. (%) : 48

Check list

Name: Tom Alexander

Time: 8:10

Agata

- Run number: 61
- Agava requested: 396
- Agava validated: 332
- Screenshot trigger rate + spectrum of time coincidence : ✓
- Check in Go4 that all Agata-TDC spectra are there:
- Check that the last .cdat files has been written less then 10 minutes ago for all the crystals: ✓
- Copy and paste in a text file the GTS rate: ✓
- Check Spectra of all crystals:
- Check at the sum spectra "Global level":
- - number of counts in 511 keV:
- - number of counts in 1460 keV K:
-
- Crystals with problems:

General

- lmd file nr: 1074
- Beam intensity: 8.2×10^8
- Scaler sc at S4: 3.2K
- Scaler sc at S2: 66K
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers:

Comments:

Exp No.	Primary Beam:	Date

MBS/file location /d/risingo2/mbs_AG-14/data/	**File (first)** **File (last)** 1075	**Start** **Stop** 9.35
Narval/file location	**File (first)** **File (last)** 61	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) ☐ Calibration run ☒ Production run

62Fe.

COMMENTS: Intervention of Magda from the HKR (increase of intensity. **shift-in-charge**

FRS/BEAMLINE elements
- ☐ SEETRAM
- ☐ SCI-01
- ☐ FRS-TA0
- ☐ S1-degrader
- ☐ S2-degrader
- ☐ SCI-21
- ☐ S4-degrader
- ☐ LYCCA-Start
- ☐ LYCCA-TaStart
- ☐ TA1
- ☐ TaDSSD

SPILL
- spill length: 1s
- period: 35.

FRS setting No.
- S426-31

PRIMARY BEAM
- Element: 86 K 33+
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 9.3 x 10^8

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 35
- element: Be
- thickness: 2.5 g/cm^2

S1 DEGRADER
TS3ED2...
- Thickness:
- Wedge used:
- O2 (Wedge Oben):
- V1 (Wedge Unten):

S2 DEGRADER
TS3ED7...
- Thickness:
- L (Ladder):
- D (Disk):
- VO (Wedge Oben):
- VU (Wedge Unten):

S4 DEGRADER
HFSED3...
- Thickness:
- O (Wedge Oben):
- U (Wedge Unten):

S0 SLITS
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): -9
- TS3DS2HR (right): 7

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -20
- TS4DS1HR (right): 20
- TS4DS1VO (left):
- TS4DS1VU (right):

S3 SLITS open
- TS4DS3HL (left): ~~33+~~
- TS4DS3HR (right): ~~35~~

S4 SLITS
- HFSDS3H (left): -35
- HFSDS3H (right): +34
- Pb Brick (top):
- Pb Brick (bottom):

MAGNETS
Field values from Hall probes:
- TS3MU1: 0.89855
- TS3MU2: .84554
- TS4MU1: .71024
- HFSMU1: .70964

FRS-RATES (counts/spill)
- 10 kHrtz : 26.9
- 10 kHrtz veto dT : 26.5
- SC21L: 81.5
- SC21R: 77.5
- SC41L: 3.4
- SC41R: 3.4

TA1
- Element :
- Thickness :
- Position:

PreSPEC-Trig/red.
- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/.....
- ☐ AgataCal(3)/.....
- ☐ HEC Cal(4)/.....
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.....
- ☐ p+Agata(7)/.....
- ☐ p+HEC+Lyc(8)/.....
- ☐ p+Agata+Lyc(9)/...
- ☐ Part-SC41(10)/.....
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

FRS-TRIGGER
- ☐ SCI21
- ☐ SCI41
- ☐ Other:

PreSPEC-Rates (Validated/Rejected)
- AGATA :
- FRS :
- Ta-ToF-LYCCA : 2800
- HECTOR : 536

LYCCA / PIs. check
- ☐ Run-sheet filled
- ☐ Run-sheet uploaded on elog

LN2
- LN2 Last Filling :
- Tank1 Vol. (%) : 96
- Tank2 Vol. (%) : 75

filled in between

Exp No.	Primary Beam:	Date 28/03/2014
MBS/file location	**File (first)** **File (last)** _1077.lmd	**Start** **Stop** 22:46
Narval/file location	**File (first)** **File (last)** AR_62	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) ☐ Calibration run ☒ Production run

COMMENTS: **shift-in-charge** Tupba

FRS/BEAMLINE elements

- ☒ SEETRAM
- ☐ SCI-01
- ☒ FRS-TA0
- ☒ S1-degrader
- ☒ S2-degrader
- ☒ SCI-21
- ☐ S4-degrader
- ☒ LYCCA-Start
- ☐ LYCCA-TaStart
- ☒ TA1
- ☒ TaDSSD

SPILL

spill length: 1 s

period: 2 s

FRS setting No.

S426_31

PRIMARY BEAM

Element: ^{86}Kr

SIS energy [MeV/u]: 700

Intensity-SEETRAM: $9 \cdot 10^8$

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number: 35

element: Be

thickness: 2.5 g/cm²

S1 DEGRADER

TS3ED2...

Thickness: 2 g/cm²

Wedge used:

O2 (Wedge Oben):

V1 (Wedge Unten):

S2 DEGRADER

TS3ED7...

Thickness: 7g/cm²

L (Ladder):

D (Disk):

VO (Wedge Oben):

VU (Wedge Unten):

S4 DEGRADER

HFSED3...

Thickness:

O (Wedge Oben):

U (Wedge Unten):

S0 SLITS

☐ beam stop out

TS2DS3HL (left):

TS2DS3HR (right):

TS2DS3VO (top):

TS2DS3VU (bottom):

S1 SLITS

☐ beam plug out

TS3DS2HL (left): -9 mm

TS3DS2HR (right): 7 mm

S2 SLITS

☐ beam plug out

TS4DS1HL (left): -20

TS4DS1HR (right): +20

TS4DS1VO (left):

TS4DS1VU (right):

S3 SLITS open

TS4DS3HL (left):

TS4DS3HR (right):

S4 SLITS

HFSDS3H (left): -35

HFSDS3H (right): +35

Pb Brick (top):

Pb Brick (bottom):

MAGNETS

Field values from Hall probes:

TS3MU1: .89875

TS3MU2: .84564

TS4MU1: .71014

HFSMU1: .70955

FRS-RATES

(counts/spill)

10 kHrtz : 11449

10 kHrtz veto dT : 11072

SC21L: 65.3 K

SC21R: 63 K

SC41L: 3,3 K

SC41R: 3 K

TA1

Element : Au

Thickness : 2 gr/cm²

Position: centered

PreSPEC-Trig/red.

- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/.....
- ☒ AgataCal(3)/...8...
- ☐ HEC Cal(4)/.....
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.....
- ☐ p+Agata(7)/.....
- ☒ p+HEC+Lyc(8)/...9...
- ☒ p+Agata+Lyc(9)/...9
- ☒ Part-SC41(10)/...8...
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

FRS-TRIGGER

- ☐ SCI21
- ☒ SCI41
- ☐ Other:

PreSPEC-Rates

(Validated/Rejected)

AGATA : 72674

FRS : 900/6000

Ta-ToF-LYCCA : 26955

HECTOR : 492

LYCCA / Pls. check

- ☐ Run-sheet filled
- ☐ Run-sheet uploaded on elog

LN2

LN2 Last Filling :

Tank1 Vol. (%) :

Tank2 Vol. (%) :

Check list

Name: Fred

Time: 0.00

Agata

- Run number: 62
- Agava requested: 394
- Agava validated: 286
- Screenshot trigger rate + spectrum of time coincidence : V
- Check in Go4 that all Agata-TDC spectra are there: V
- Check that the last .cdat files has been written less then 10 minutes ago for all the crystals: V
- Copy and paste in a text file the GTS rate: V
- Check Spectra of all crystals:
- Check at the sum spectra "Global level":
- - number of counts in 511 keV:
- - number of counts in 1460 keV K:
-
- Crystals with problems:

General

- lmd file nr: 1079
- Beam intensity: $9 \cdot 10^8$
- Scaler sc at S4:
- Scaler sc at S2:
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers:

Comments:

Exp No.	Primary Beam:	Date 29.03.2014	1:13
MBS/file location	**File (first)** 62Fo_on62_ **File (last)** _1078	**Start** **Stop**	
Narval/file location /d/nusng02/nov-A6-14/data/	**File (first)** **File (last)** AR_62	**Start** **Stop**	
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**	

PURPOSE OF MEASUREMENT: (Centered Isotope) 62Fe ☐ Calibration run ☒ Production run

COMMENTS: **shift-in-charge** Fred

FRS/BEAMLINE elements
- ☒ SEETRAM
- ☐ SCI-01
- ☒ FRS-TA0
- ☒ S1-degrader
- ☒ S2-degrader
- ☒ SCI-21
- ☐ S4-degrader
- ☒ LYCCA-Start
- ☐ LYCCA-TaStart
- ☒ TA1
- ☒ TaDSSD

SPILL
- spill length: 1 s
- period: 2 s

FRS setting No.: 5426 - 31

PRIMARY BEAM
- Element: ^{86}Kr
- SIS energy [MeV/u]: 700.
- Intensity-SEETRAM: 9. 10^8

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 35
- element: Be
- thickness: 2.5 g/cm^2

S1 DEGRADER
TS3ED2...
- Thickness: 2 g/cm^2
- Wedge used:
- O2 (Wedge Oben):
- V1 (Wedge Unten):

S2 DEGRADER
TS3ED7...
- Thickness: 5 g/cm^2
- L (Ladder):
- D (Disk):
- VO (Wedge Oben):
- VU (Wedge Unten):

S4 DEGRADER
HFSED3...
- Thickness:
- O (Wedge Oben):
- U (Wedge Unten):

S0 SLITS
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): -9 mm
- TS3DS2HR (right): +7 mm

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -20
- TS4DS1HR (right): +20
- TS4DS1VO (left):
- TS4DS1VU (right):

S3 SLITS open
- TS4DS3HL (left):
- TS4DS3HR (right):

S4 SLITS
- HFSDS3H (left): -35.9
- HFSDS3H (right): +35.5
- Pb Brick (top):
- Pb Brick (bottom):

MAGNETS
Field values from Hall probes:
- TS3MU1: .89875
- TS3MU2: .84564
- TS4MU1: .71024
- HFSMU1: .70955

FRS-RATES (counts/spill)
- 10 kHrtz : 24877
- 10 kHrtz veto dT : 24459
- SC21L: 71541
- SC21R: 70007
- SC41L: 3400
- SC41R: 3350

TA1
- Element : Au
- Thickness : 2mm / 8gr^2
- Position: center

PreSPEC-Trig/red.
- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/.....
- ☒ AgataCal(3)/..2..
- ☐ HEC Cal(4)/.....
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.....
- ☐ p+Agata(7)/.....
- ☒ p+HEC+Lyc(8)/.....0
- ☒ p+Agata+Lyc(9)/..0
- ☒ Part-SC41(10)/..8.
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

FRS-TRIGGER
- ☐ SCI21
- ☒ SCI41
- ☐ Other:

PreSPEC-Rates (Validated/Rejected)
- AGATA : ~~470~~/32
- FRS : 470/388
- Ta-ToF-LYCCA : 2631
- HECTOR : 171

LYCCA / Pls. check
- ☒ Run-sheet filled
- ☐ Run-sheet uploaded on elog

LN2
- LN2 Last Filling :
- Tank1 Vol. (%) :
- Tank2 Vol. (%) :

Check list

Name: Fred

Time: 7:35

Agata

- Run number: 62
- Agava requested: 440
- Agava validated: 340
- Screenshot trigger rate + spectrum of time coincidence : V
- Check in Go4 that all Agata-TDC spectra are there: V
- Check that the last .cdat files has been written less then 10 minutes ago for all the crystals: V
- Copy and paste in a text file the GTS rate: V
- Check Spectra of all crystals:
- Check at the sum spectra "Global level":
- - number of counts in 511 keV:
- - number of counts in 1460 keV K:
-
- Crystals with problems: 1B was counting higher for a while

General

- lmd file nr: 1080
- Beam intensity: 9.3 10^8
- Scaler sc at S4: 3500
- Scaler sc at S2: 75000
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers:

Comments:

Exp No.	Primary Beam:	Date 29.03.2014 02:30
MBS/file location	**File (first)** **File (last)**	**Start** **Stop**
Narval/file location	**File (first)** **File (last)** 1080. I'm d last file	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)** for AG 62	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) ☐ Calibration run ☑ Production run

COMMENTS: **shift-in-charge**

03.10 there was no trigger we tried to start the mbs, didn't work. 03:28 we stopped the beam.

FRS/BEAMLINE elements

- ☑ SEETRAM
- ☐ SCI-01
- ☑ FRS-TA0
- ☒ S1-degrader
- ☒ S2-degrader
- ☒ SCI-21
- ☐ S4-degrader
- ☒ LYCCA-Start
- ☐ LYCCA-TaStart
- ☑ TA1
- ☑ TaDSSD

SPILL

spill length: 1 s

period: 3 s

FRS setting No.

S42-26-30

PRIMARY BEAM

Element: ^{86}Kr

SIS energy [MeV/u]: 700

Intensity-SEETRAM: 9×10^8

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number: 35

element: Be

thickness: 2.5 g/cm^2

S1 DEGRADER

TS3ED2...

Thickness: 2 g/cm^2

Wedge used:

O2 (Wedge Oben):

V1 (Wedge Unten):

S2 DEGRADER

TS3ED7...

Thickness: 1 g/cm^2

L (Ladder):

D (Disk):

VO (Wedge Oben):

VU (Wedge Unten):

S4 DEGRADER

HFSED3...

Thickness:

O (Wedge Oben):

U (Wedge Unten):

S0 SLITS

☐ beam stop out

TS2DS3HL (left):

TS2DS3HR (right):

TS2DS3VO (top):

TS2DS3VU (bottom):

S1 SLITS

☐ beam plug out

TS3DS2HL (left): -9

TS3DS2HR (right): +7

S2 SLITS

☐ beam plug out

TS4DS1HL (left): -20

TS4DS1HR (right): +20

TS4DS1VO (left):

TS4DS1VU (right):

S3 SLITS

TS4DS3HL (left): open

TS4DS3HR (right):

S4 SLITS

HFSDS3H (left): -35

HFSDS3H (right): +35

Pb Brick (top):

Pb Brick (bottom):

MAGNETS

Field values from Hall probes:

TS3MU1: .89875

TS3MU2: .84564

TS4MU1: .71024

HFSMU1: .70995

FRS-RATES

(counts/spill)

10 kHrtz : 11.4

10 kHrtz veto dT : 11.1

SC21L: 76.7 k

SC21R: 76.2 k

SC41L: 3.6 k

SC41R: 3.7 k

TA1

Element : Au

Thickness : 2 mm/g/cm^2

Position: center

PreSPEC-Trig/red.

- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/...
- ☒ AgataCal(3)/....
- ☐ HEC Cal(4)/.....
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.....
- ☐ p+Agata(7)/.....
- ☑ p+HEC+Lyc(8)/...
- ☑ p+Agata+Lyc(9)/...
- ☑ Part-SC41(10)/...
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

FRS-TRIGGER

- ☐ SCI21
- ☑ SCI41
- ☐ Other:

PreSPEC-Rates

(Validated/Rejected)

AGATA : 84/950

FRS : 900/5000

Ta-ToF-LYCCA : 2880

HECTOR : 443

LYCCA / PIs. check

- ☐ Run-sheet filled
- ☐ Run-sheet uploaded on elog

LN2

LN2 Last Filling :

Tank1 Vol. (%) :

Tank2 Vol. (%) :

Frederic went S2 to start the reboot crate of Finger

Exp No.	Primary Beam:	Date 28.03.2014 03:57
MBS/file location	File (first) File (last) _1081.lmd	Start Stop
Narval/file location	File (first) File (last) A[illegible]-63	Start Stop
Merged(Narval+MBS)/file location	File (first) File (last)	Start Stop

PURPOSE OF MEASUREMENT: (Centered Isotope) ☐ Calibration run ☑ Production run

COMMENTS: **shift-in-charge** Tapha

FRS/BEAMLINE elements
- ☑ SEETRAM
- ☐ SCI-01
- ☑ FRS-TA0
- ☑ S1-degrader
- ☑ S2-degrader
- ☑ SCI-21
- ☐ S4-degrader
- ☑ LYCCA-Start
- ☐ LYCCA-TaStart
- ☑ TA1
- ☑ TaDSSD

SPILL
- spill length: 15
- period: 3 sec

FRS setting No.
- 5426-31

PRIMARY BEAM
- Element: 96 Ru
- SIS energy [MeV/u]: 200
- Intensity-SEETRAM:

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 36
- element: Be
- thickness: 2.9 g/cm²

S1 DEGRADER
TS3ED2...
- Thickness: 2 g/cm²
- Wedge used:
- O2 (Wedge Oben):
- V1 (Wedge Unten):

S2 DEGRADER
TS3ED7...
- Thickness: 5 g/cm²
- L (Ladder):
- D (Disk):
- VO (Wedge Oben):
- VU (Wedge Unten):

S4 DEGRADER
HFSED3...
- Thickness:
- O (Wedge Oben):
- U (Wedge Unten):

S0 SLITS open
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): -9
- TS3DS2HR (right): +9

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -20
- TS4DS1HR (right): +20
- TS4DS1VO (left):
- TS4DS1VU (right):

S3 SLITS open
- TS4DS3HL (left):
- TS4DS3HR (right):

S4 SLITS
- HFSDS3H (left): -35
- HFSDS3H (right): +35
- Pb Brick (top):
- Pb Brick (bottom):

MAGNETS
Field values from Hall probes:
- TS3MU1: .89875
- TS3MU2: .84964
- TS4MU1: .71024
- HFSMU1: .70955

FRS-RATES
(counts/spill)
- 10 kHrtz : 16 kHrtz
- 10 kHrtz veto dT : 13
- SC21L: 76k
- SC21R: 74k
- SC41L: 3.5 k
- SC41R: 3.5 k

TA1
- Element : Au
- Thickness : 2 mm/5
- Position: Center

PreSPEC-Trig/red.
- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/.....
- ☑ AgataCal(3)/.....
- ☐ HEC Cal(4)/.....
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.....
- ☐ p+Agata(7)/.....
- ☑ p+HEC+Lyc(8)/.....
- ☑ p+Agata+Lyc(9)/.....
- ☑ Part-SC41(10)/.....
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

FRS-TRIGGER
- ☐ SCI21
- ☑ SCI41
- ☐ Other:

PreSPEC-Rates
(Validated/Rejected)
- AGATA : 24/530
- FRS :
- Ta-ToF-LYCCA : 2693
- HECTOR : 510

LYCCA / Pls. check
- ☐ Run-sheet filled
- ☐ Run-sheet uploaded on elog

LN2
- LN2 Last Filling :
- Tank1 Vol. (%) :
- Tank2 Vol. (%) :