Check list

Name: C. Bauer

Time: 6:37

Agata

- Run number: 57
- Agava requested: 248
- Agava validated: 178
- 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: 1056
- Beam intensity: $6.5 \cdot 10^8$
- Scaler sc at S4: $4.5 \cdot 10^3$
- Scaler sc at S2: $8 \cdot 10^4$
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: 3, 8, 9, 10

Comments:

Exp No. S430 Primary Beam: 86Kr Date 27/03/14

MBS/file location /rida02/mar_16_14/data/	**File (first)** **File (last)** Fe_62_coulex_AR57_1056	**Start** **Stop** ~7:25
Narval/file location	**File (first)** **File (last)** 57	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

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

62Fe coulex

COMMENTS: MBS rate monitor was hanging ~~briefly~~ shift-in-charge but it is working again now.

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
- period: 3s

FRS setting No.

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 6·3x10⁸

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 35
- element: Be
- thickness: 2·5g/cm²

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

S2 DEGRADER
TS3ED7...
- Thickness: 5g/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): 0
- TS3DS2HR (right): 10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): 40
- TS4DS1HR (right): 20
- TS4DS1VO (left):
- TS4DS1VU (right):

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

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

MAGNETS
Field values from Hall probes:
- TS3MU1: 0·89345
- TS3MU2: 0·84014
- TS4MU1: 0·70454
- HFSMU1: 0·70395

FRS-RATES (counts/spill)
- 10 kHrtz : ~~23k~~ 23k
- 10 kHrtz veto dT : 22·5k
- SC21L: 62k
- SC21R: 61k
- SC41L: 3·6k
- SC41R: 3·6k

TA1
- Element : Al
- Thickness : 2g/cm²
- Position: central

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)/.8.
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

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

PreSPEC-Rates (Validated/Rejected)
- AGATA : 304/86
- FRS :
- Ta-ToF-LYCCA : 2·8k
- HECTOR : ~~458~~

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

LN2
- LN2 Last Filling : 7:40
- Tank1 Vol. (%) : 90
- Tank2 Vol. (%) : 80

Check list

Name: C. Bauer

Time: 8:40

Agata

- Run number: 57
- Agava requested: 388
- Agava validated: 290
- 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: 1058
- Beam intensity: $6.2 \cdot 10^8$
- Scaler sc at S4: 4.5×10^3
- Scaler sc at S2: 8×10^4
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: 3, 8, 9, 10

Comments:

Check list

Name: C. Bauer

Time: 10:10

Agata

- Run number: 58
- Agava requested: 220
- Agava validated: 174
- 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: 1060
- Beam intensity: $6.5 \cdot 10^8$
- Scaler sc at S4: $4.5 \cdot 10^3$
- Scaler sc at S2: $7.5 \cdot 10^4$
- Check in Go4 all the spectra of the list* : ✓
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers: 3, 8, 9, 10

Comments:

Exp No.	Primary Beam:	Date

MBS/file location /rida02/spur-Aug14/data/	**File (first)** Fe_62_coulex_AR57. **File (last)** 1061	**Start** **Stop** 12:00
Narval/file location	**File (first)** **File (last)** AR : 57	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

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

62Fe coulex

COMMENTS: Everything is consistent since previous runsheet **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.

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 6.15X10⁸

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

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

S2 DEGRADER
TS3ED7...
- Thickness: 5g/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): 0
- TS3DS2HR (right): 10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -60
- TS4DS1HR (right): 20
- TS4DS1VO (left):
- TS4DS1VU (right):

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

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

MAGNETS
Field values from Hall probes:
- TS3MU1: 0.89335
- TS3MU2: 6.8604
- TS4MU1: 0.70454
- HFSMU1: 0.70895

FRS-RATES (counts/spill)
- 10 kHrtz : 21k
- 10 kHrtz veto dT : 21k
- SC21L: 63k
- SC21R: 62k
- SC41L: 3.6k
- SC41R: 3.6k

TA1
- Element : Au
- Thickness : 2g/cm²
- Position: central

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 : 348/94
- FRS :
- Ta-ToF-LYCCA : 2.8k
- HECTOR :

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

LN2
- LN2 Last Filling : 7:55
- Tank1 Vol. (%) : 84
- Tank2 Vol. (%) : 78

Check list

Name: C. Bauer

Time: 12:00

Agata

- Run number: 58
- Agava requested: 448
- Agava validated: 366
- 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: 1061
- Beam intensity: $6.5 \cdot 10^3$
- Scaler sc at S4: $4.2 \cdot 10^3$
- Scaler sc at S2: $7.5 \cdot 10^4$
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: 3, 8, 9, 10

Comments:

Check list

Name: C. Bauer

Time: 13:40

Agata

- Run number: 58
- Agava requested: 402
- Agava validated: 22
- 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: 1063
- Beam intensity: 8.8×10^8
- Scaler sc at S4: 6.5×10^3
- Scaler sc at S2: 1×10^5
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: 3, 8, 9, 10

Comments:

Exp No.	Primary Beam: ^{86}Kr	Date 27.03.2014
MBS/file location	**File (first)** 62Fe-contaminants_1064.lmd **File (last)**	**Start** 23:13 **Stop** 23:36
Narval/file location	**File (first)** **File (last)**	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

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

Look for contaminants in FRS setting after loading the setting

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: 1 sec

period: 2 sec

FRS setting No.

5426_29

PRIMARY BEAM

Element:

SIS energy [MeV/u]

Intensity-SEETRAM

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number:

element:

thickness:

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: 0.89415

TS3MU2: 0.84039

TS4MU1: 0.70454

HFSMU1: 0.70364

FRS-RATES

(counts/spill)

10 kHrtz :

10 kHrtz veto dT :

SC21L: 100 k

SC21R: 100 k

SC41L: 660

SC41R: 660

TA1

Element :

Thickness :

Position:

PreSPEC-Trig/red.

- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/.....
- ☒ AgataCal(3)/28...
- ☐ 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 :

HECTOR :

LYCCA / PIs. check

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

LN2

LN2 Last Filling : 13:40

Tank1 Vol. (%) : 65 %

Tank2 Vol. (%) : 59 %

Exp No. | Primary Beam: 86Kr | Date 27.03.2014

MBS/file location	**File (first)** 62Fe_last-check_1065 **File (last)** .lmd	**Start** 23:50 **Stop** 00:00
Narval/file location	**File (first)** **File (last)**	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

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

check the yield of 62Fe in the FRS setting

COMMENTS: **shift-in-charge**

at midnight: Magnet Problem with SCI

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 Sec.

period: 2 Sec

FRS setting No.

S426_25

PRIMARY BEAM

Element:

SIS energy [MeV/u]

Intensity-SEETRAM

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number:

element:

thickness:

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): −7

TS3DS2HR (right): +7

S2 SLITS

☐ beam plug out

TS4DS1HL (left): −20

TS4DS1HR (right): +23

TS4DS1VO (left):

TS4DS1VU (right):

S3 SLITS

TS4DS3HL (left):

TS4DS3HR (right):

S4 SLITS

HFSDS3H (left): −50

HFSDS3H (right): 50

Pb Brick (top):

Pb Brick (bottom):

MAGNETS

Field values from Hall probes:

TS3MU1: 0.89855

TS3MU2: 0.84554

TS4MU1: 0.71074

HFSMU1: 0.71014

FRS-RATES

(counts/spill)

10 kHrtz :

10 kHrtz veto dT :

SC21L:

SC21R:

SC41L:

SC41R:

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 :

HECTOR :

LYCCA / Pls. check

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

LN2

LN2 Last Filling :

Tank1 Vol. (%) :

Tank2 Vol. (%) :

Exp No. Primary Beam: Date

MBS/file location | **File (first)** 62Fe_Bending_1066 **File (last)** | **Start** 02:17 **Stop** 02:19

Narval/file location | **File (first)** **File (last)** | **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**

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:
- period:

FRS setting No.

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

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number:
- element:
- thickness:

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: 0.89835
- TS3MU2: 0.84554
- TS4MU1: 0.71024
- HFSMU1: 0.70964

FRS-RATES
(counts/spill)
- 10 kHrtz :
- 10 kHrtz veto dT :
- SC21L:
- SC21R:
- SC41L:
- SC41R:

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 :
- HECTOR :

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

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

Exp No.	Primary Beam:	Date
MBS/file location	**File (first)** b2Fe_centered_1067. **File (last)** lmd	**Start** 02:22 **Stop** 02:24
Narval/file location	**File (first)** **File (last)**	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

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

COMMENTS: checking the recentered FRS setting **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:
- period:

FRS setting No.

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

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number:
- element:
- thickness:

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: 0.89835
- TS3MU2: 0.84554
- TS4MU1: 0.71024
- HFSMU1: 0.70964

FRS-RATES
(counts/spill)
- 10 kHrtz :
- 10 kHrtz veto dT :
- SC21L:
- SC21R:
- SC41L:
- SC41R:

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 :
- HECTOR :

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

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

Exp No.	Primary Beam:	Date
MBS/file location	**File (first)** 62Fe_coulex_AR60_ **File (last)** 1068.lmd	**Start** 02:38 **Stop** 02:41
Narval/file location run_60	**File (first)** **File (last)**	**Start** 02:38 **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**

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 sec
- period: 2.5 sec

FRS setting No.: S426_31

PRIMARY BEAM
- Element: ~~Xe~~ 86 Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 8.6 - 10^8

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

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

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

S4 DEGRADER
HFSED3... as before
- 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): +7

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: 0.83835
- TS3MU2: 0.89554
- TS4MU1: 0.71024
- HFSMU1: 0.70964

FRS-RATES (counts/spill)
- 10 kHrtz :
- 10 kHrtz veto dT :
- SC21L: 62 k
- SC21R: ~~62~~ 61k
- SC41L: ~~3.4~~ 3.4k
- SC41R: 3.4 k

TA1
- Element : Ar
- Thickness : 2 g/cm²
- 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 :
- FRS :
- Ta-ToF-LYCCA :
- HECTOR :

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

LN2
- LN2 Last Filling : 01:40
- Tank1 Vol. (%) : 55%
- Tank2 Vol. (%) : 50%

Exp No.	Primary Beam:	Date
MBS/file location	**File (first)** 62Fe-Cooler_ARG0__ **File (last)** 1069(w)	**Start** 02:41 **Stop**
Narval/file location run_60	**File (first)** **File (last)**	**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**

changed trigger 3 reduction to 2^8, everything else is as before

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:

period:

FRS setting No.

S426_31

PRIMARY BEAM

Element:

SIS energy [MeV/u]:

Intensity-SEETRAM:

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number:

element:

thickness:

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 open

☐ 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):

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: 0.70964

FRS-RATES

(counts/spill)

10 kHrtz :

10 kHrtz veto dT :

SC21L:

SC21R:

SC41L:

SC41R:

TA1

Element :

Thickness :

Position:

PreSPEC-Trig/red.

- ☐ Pulser(1) /.....
- ☐ LYCCA cal(2)/.....
- ☒ AgataCal(3)/.....28
- ☐ HEC Cal(4)/.....
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.....
- ☐ p+Agata(7)/.....
- ☒ p+HEC+Lyc(8)/.....
- ☒ p+Agata+Lyc(9)/...
- ☒ Part-SC41(10)/.....28
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

FRS-TRIGGER

- ☐ SCI21
- ☐ SCI41
- ☐ Other:

PreSPEC-Rates

(Validated/Rejected)

AGATA :

FRS :

Ta-ToF-LYCCA :

HECTOR :

LYCCA / PIs. check

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

LN2

LN2 Last Filling :

Tank1 Vol. (%) :

Tank2 Vol. (%) :

Check list

Name: M. Lettmann

Time: 2:50 28.03.2014

Agata

- Run number: 8500 60
- Agava requested: 4800 350
- Agava validated: 280
- 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: 1069
- Beam intensity: $9 \cdot 10^8$
- Scaler sc at S4: 65800
- Scaler sc at S2: 3300
- Check in Go4 all the spectra of the list* : ✓
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers:

Comments:

Check list

Name: M. Lehmann

Time: 4:00 28.03.2014

Agata

- Run number: 60
- Agava requested: 340
- Agava validated: 270
- 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: 1070
- Beam intensity: $8.3 \cdot 10^8$
- Scaler sc at S4: 64000
- Scaler sc at S2: 3300
- 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 /u1/nusing02/mar_A6_24/data	**File (first)** 1070 **File (last)**	**Start** 04:32 **Stop**
Narval/file location	**File (first)** AR 60 **File (last)**	**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**

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: 10

period: 2.5 D

FRS setting No.

S426-31

PRIMARY BEAM

Element: $^{86}Kr^{33+}$

SIS energy [MeV/u]: 704

Intensity-SEETRAM: 8.10^{8}

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number:

element: Be

thickness: 2.5 g/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):

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: 28 k

10 kHrtz veto dT: 27 k

SC21L: 65 k

SC21R: 64 k

SC41L: 3.2 k

SC41R: 3.2 k

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 k

HECTOR : 470

LYCCA / Pls. check

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

LN2

LN2 Last Filling :

Tank1 Vol. (%) : 55

Tank2 Vol. (%) : 50