Exp No. Primary Beam: Date

MBS/file location: d/hsimg02/mar_AG_14/data	File (first) / File (last): 1030	Start / Stop: 5:25
Narval/file location	File (first) / File (last): run 55	Start / Stop
Merged(Narval+MBS)/file location	File (first) / File (last)	Start / Stop

PURPOSE OF MEASUREMENT: (Centered Isotope) 64Fe coulex ☐ 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 s

period: 2,5 s

FRS setting No. S426_28

PRIMARY BEAM

Element: 86Kr 33+

SIS energy [MeV/u]: 700

Intensity-SEETRAM: 1·10⁹

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number: # 35

element: Be

thickness: 2.5

S1 DEGRADER

TS3ED2...

Thickness: 2g/cm²

Wedge used: 1

O2 (Wedge Oben): -31,2

V1 (Wedge Unten): -252,7

S2 DEGRADER

TS3ED7...

Thickness: 5g/cm²

L (Ladder): -107.7

D (Disk): 60.6

VO (Wedge Oben): -298

VU (Wedge Unten): -298

S4 DEGRADER

HFSED3...

Thickness:

O (Wedge Oben):

U (Wedge Unten):

S0 SLITS

☐ beam stop out

TS2DS3HL (left):

TS2DS3HR (right):

TS2DS3VO (top):

TS2DS3VU (bottom):

OPEN

S1 SLITS

☐ beam plug out

TS3DS2HL (left): -15

TS3DS2HR (right): +40

S2 SLITS

☐ beam plug out

TS4DS1HL (left):

TS4DS1HR (right):

TS4DS1VO (left):

TS4DS1VU (right):

OPEN

S3 SLITS

TS4DS3HL (left):

TS4DS3HR (right):

OPEN

S4 SLITS

HFSDS3H (left): -35

HFSDS3H (right): +35

Pb Brick (top):

Pb Brick (bottom):

MAGNETS

Field values from Hall probes:

TS3MU1: 0.92515

TS3MU2: 0.87124

TS4MU1: 0.73664

HFSMU1: 0.73605

FRS-RATES

(counts/spill)

10 kHrtz: 27331

10 kHrtz veto dT: 26160

SC21L: 440k

SC21R: 420k

SC41L: 3600

SC41R: 3500

TA1

Element: Au

Thickness: 2g/cm²

Position: central

PreSPEC-Trig/red.

- ☐ Pulser(1) /........
- ☐ LYCCA cal(2)/.....
- ☒ AgataCal(3)/...4..
- ☐ HEC Cal(4)/......
- ☐ FRS from TB(5)/...
- ☐ p+HEC(6)/.......
- ☐ p+Agata(7)/......
- ☒ p+HEC+Lyc(8)/..6..
- ☒ 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: 300/80

FRS: 350

Ta-ToF-LYCCA: 350

HECTOR: 350

(from online analysis)

LYCCA / Pls. check

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

LN2

LN2 Last Filling: 01:56 am

Tank1 Vol. (%): ~~01:56 am~~ 79

Tank2 Vol. (%): 70

Check list

Name: N. Lalović

Time: 05:24

Agata

- Run number: 35
- Agava requested: 394
- Agava validated: 312
- 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: 1028
- Beam intensity: 1×10^9
- Scaler sc at S4: $\sim 1.2 \cdot 10^4$
- Scaler sc at S2: $\sim 9.2 \cdot 10^3$
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: 1, 3, 8, 9, 10

Comments:

Exp No. Primary Beam: Date

MBS/file location /daisy02/mar_AG_14/...	**File (first)** 1035 **File (last)**	**Start** 08:00 **Stop**
Narval/file location	**File (first)** AR55 **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: 2.50

FRS setting No. S426-28

PRIMARY BEAM
- Element: $^{86}Kr^{33+}$
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 10^9

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: #35
- element: Be
- thickness: 2.5

S1 DEGRADER
TS3ED2...
- Thickness: 2g/cm²
- Wedge used: 1
- 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): OPEN
- TS2DS3VO (top):
- TS2DS3VU (bottom):

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

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

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

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

MAGNETS
Field values from Hall probes:
- TS3MU1: .92515
- TS3MU2: .87124
- TS4MU1: .73664
- HFSMU1: .73605

FRS-RATES
(counts/spill)
- 10 kHrtz : 25k
- 10 kHrtz veto dT : 23k
- SC21L: 505k
- SC21R: 480k
- SC41L: 4700
- SC41R: 4600

TA1
- Element : Au
- Thickness : 1g/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 : 20/710
- FRS :
- Ta-ToF-LYCCA : 3500
- HECTOR : 640

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

LN2
- LN2 Last Filling :
- Tank1 Vol. (%) : 64
- Tank2 Vol. (%) : 65

Check list

Name: Cesar

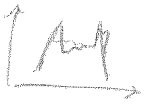
Time: 8:19

Agata

- Run number: 55
- Agava requested: 2
- Agava validated: 10
- 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: 1036
- Beam intensity: 1.37×10^9
- Scaler sc at S4: 4600
- Scaler sc at S2: 480k
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers:

Comments: Seetram Monitor, TPC @ S4 and LYCCA Target DSSD show a double-peak structure of the beam, kind of this ⇒  . This should be checked.

Exp No. | Primary Beam: | Date

MBS/file location	**File (first)** 1043 **File (last)**	**Start** 11:50 **Stop** 13:10 (1h30)
Narval/file location	**File (first)** run 56 **File (last)**	**Start** 11:52 **Stop** 13:10
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) 64Fe ☐ 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: 1.5
- period:

FRS setting No.

PRIMARY BEAM
- Element: 86 Kr^{33+}
- SIS energy [MeV/u]: 700 MeV/u
- Intensity-SEETRAM: 4.10^8

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: #35
- element: Be
- thickness: 2.5

S1 DEGRADER
TS3ED2...
- Thickness: 2gl in 9
- Wedge used: 1
- 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:
- TS3MU2:
- TS4MU1:
- HFSMU1:

FRS-RATES
(counts/spill)
- 10 kHrtz : 28k
- 10 kHrtz veto dT : 27k
- SC21L: 360000 360000
- SC21R: 3801 1900
- SC41L: 2000 3400
- SC41R: 250000 350000

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 : 30 40
- FRS : 220 210
- Ta-ToF-LYCCA : 1600
- HECTOR : 350

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

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

- for 3min -
- ~~end~~ end of the run

Check list

Name: Cesar

Time: ~~12:26~~ 12:30

Agata

- Run number: 56
- Agava requested: 14
- Agava validated: 2
- 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: 1043
- Beam intensity: 9.6×10^8
- Scaler sc at S4: $.4 \times 10^3$
- Scaler sc at S2: 400×10^3
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers:

Comments: Beam looks very nice at FRS TPCs :

- 80 to +20 @ S2
- 20 to +20 @ S4

Exp No. S430 Primary Beam: 86Kr Date 27/03/2014

MBS/file location /s430/...	**File (first)** Fe_62_coulex_ARST **File (last)** 1050.lmd	**Start** 1:35 **Stop**
Narval/file location →	**File (first)** 57 **File (last)**	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) ☐ Calibration run ☐ Production run
PDR Run for 62Fe (coulex experiment)

COMMENTS: ~~Coulex~~ **shift-in-charge** H. Bai, N. Lalovic, ...

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 s
period: 2.5 s

FRS setting No.
S426_29

PRIMARY BEAM
Element: 86Kr
SIS energy [MeV/u]: 700
Intensity-SEETRAM: 7.5 x 10^8

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

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

S2 DEGRADER
TS3ED7...
Thickness: 5 gm/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 — open
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
TS4DS3HL (left): open
TS4DS3HR (right):

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

MAGNETS
Field values from Hall probes:
TS3MU1: 0.89335
TS3MU2: 0.89984
TS4MU1: 0.70454
HFSMU1: 0.70395

FRS-RATES
(counts/spill)
10 kHrtz: 24.9 KHz
10 kHrtz veto dT: 24.4 KHz
SC21L: 270.8 KHz
SC21R: 258.8 KHz
SC41L: 4.7 KHz
SC41R: 4.6 KHz

TA1
Element: Au
Thickness: 2 gm/cm2
Position: Central

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)/.20
- ☑ 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: (46/400)
FRS:
Ta-ToF-LYCCA: 4.1 KHz
HECTOR: (OR) 11.8 KHz

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

LN2
LN2 Last Filling: 1:50 a.m
Tank1 Vol. (%): 94
Tank2 Vol. (%): 86

Check list

Name: N. Lalović

Time: 02:26

Agata

- Run number: 57
- Agava requested: 604
- Agava validated: 472
- 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: 1051
- Beam intensity: 7.5×10^8
- Scaler sc at S4: $\sim 2.06 \times 10^4$ (1)
- Scaler sc at S2: $\sim 9 \times 10^5$ (1)
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: 1, 3, 8, 9, 10

Comments:

(1) Rates read out using Go4 ; FRS ↓ FRS runs-sheet

S4 ~ 4.5 kHz

S2 ~ 230 kHz

Exp No. S430 Primary Beam: 86Kr Date 24/03/2014 (3:48)

MBS/file location same as before	**File (first)** Fe-62-Coulex-AR5T-1053.lmd **File (last)**	**Start** 1:35 **Stop**
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) PDR Run for 62Fe (Coulex) ☐ Calibration run ☐ Production run

COMMENTS: **shift-in-charge** M.L. Cooks, H. Pai, N. Lalovic

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 s
- period: 2.5 s

FRS setting No. ~~S24~~S426-29

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 750
- Intensity-SEETRAM: 7x10^8

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

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

S2 DEGRADER
TS3ED7...
- Thickness: 5 gm/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): 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: 25.0KHz
- 10 kHrtz veto dT: 24.8KHz
- SC21L: 65.7KHz
- SC21R: 63.4KHz
- SC41L: 3.5KHz
- SC41R: 3.8KHz

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

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)/...0
- ☑ p+Agata+Lyc(9)/..8
- ☑ Part-SC41(10)/..8
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

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

PreSPEC-Rates (Validated/Rejected)
- AGATA: 216/204
- FRS:
- Ta-ToF-LYCCA: 2.9KHz
- HECTOR: (OR) 11.3KHz

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

LN2
- LN2 Last Filling: @ 1.50
- Tank1 Vol. (%): 93
- Tank2 Vol. (%): 85

Check list

Name: N. Ladoux

Time: 04:07

Agata

- Run number: 57
- Agava requested: 292
- Agava validated: 216
- 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: 1053
- Beam intensity: 7×10^{8} 3
- Scaler sc at S4: $\sim 4.5 \times 10^{4}$
- Scaler sc at S2: $\sim 7 \times 10^{4}$
- 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 27/03/2014 (Post 5:35)

MBS/file location	**File (first)** **File (last)** -1055.lmd	**Start** 1:35 **Stop**
Narval/file location	**File (first)** **File (last)** 57	**Start** **Stop**
Merged(Narval+MBS)/file location ~~PDR Room~~	**File (first)** **File (last)**	**Start** **Stop**

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

PDR Run of 62Fe (coulex)

COMMENTS: **shift-in-charge** M.L. Cortes, H. Pai, N. Lalovic

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 s
- period: 2.5 s

FRS setting No.
S426-29

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 8.7x10^8

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

S1 DEGRADER
TS3ED2...
- Thickness: 2 gm/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): 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: 0.89335
- TS3MU2: 0.84014
- TS4MU1: 0.70454
- HFSMU1: 0.70395

FRS-RATES
(counts/spill)
- 10 kHrtz : 28.0 KHz
- 10 kHrtz veto dT : 27.9 KHz
- SC21L: 64 KHz
- SC21R: 62.1 KHz
- SC41L: 3.8 KHz
- SC41R: 3.6 KHz

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

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)/..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 : 230/250
- FRS :
- Ta-ToF-LYCCA : 2.9 KHz
- HECTOR : 11.4 KHz

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

LN2
- LN2 Last Filling : 1.50
- Tank1 Vol. (%) : 93
- Tank2 Vol. (%) : ~~85~~ 85

Check list

Name: N. Lalović

Time: 05:30

Agata

- Run number: 57
- Agava requested: 298
- Agava validated: 240
- 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: 1055
- Beam intensity:
- Scaler sc at S4: $\sim 4.7 \times 10^3$
- 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: 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 /fridaC2/mar_A6_14/data/	**File (first)** Fe_62_coulex_AR57_1056 **File (last)**	**Start** **Stop** ~7:25
Narval/file location	**File (first)** 57 **File (last)**	**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: 6.3×10^8

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number: 35

element: Be

thickness: 2.5g/cm²

S1 DEGRADER

TS3ED2...

Thickness: 2 g/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 : 2 g/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 : ~~2.5k~~

LYCCA / PIs. 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: $6.5 \cdot 10^2$
- Scaler sc at S4: $45 \cdot 10^3$
- 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/gpar_A6_14/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: 6.15X10^8

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): -10
- 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: 6.8614
- TS4MU1: 0.70454
- HFSMU1: 0.70395

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)/8..
- ☐ 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:~~00~~55
- Tank1 Vol. (%) : 84
- Tank2 Vol. (%) : 78

Check list

Name: C. Bauer

Time: 12:00

Agata

- Run number: 58
- Agava requested: 48
- 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: 86Kr | 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.: S426_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: 0.84034
- 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 / Pls. check
- ☐ Run-sheet filled
- ☐ Run-sheet uploaded on elog

LN2
- LN2 Last Filling : 19:40
- 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)**	**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 SD1

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_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): -7

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): -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)/29
- ☐ 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)** last	**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 / PIs. 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)** 62 Fe_cooler_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: ~~86~~ Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 8.6 - 10⁸

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: 0.89835
- TS3MU2: 0.89554
- TS4MU1: 0.71029
- HFSMU1: 0.70964

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

TA1
- Element : Au
- 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-Cocker_AR60__ **File (last)** 1069.lmd	**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: 0.74024

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 / 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: ~~2800~~ 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: 65600
- Scaler sc at S2: 3800
- 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 /d/nusing02/mon_AG_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.
- 5426-31

PRIMARY BEAM
- Element: $^{78}Kr^{33+}$
- 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

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/rising42/mar-AG-14/data/	**File (first)** **File (last)** 1073	**Start** **Stop** 6:45
Narval/file location	**File (first)** **File (last)** AR60	**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 /rida02/mas_Ag_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: 0.89535
- TS3MU2: 0.86554
- TS4MU1: 0.71024
- HFSMU1: 0.70964

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