Exp No. S426 Primary Beam: 86Kr Date 23/03/2016 (11.00)

MBS/file location /data002/nmars_AGA3/data	**File (first)** 85Br_coulex_AGA3_0202-1.mid **File (last)**	**Start** **Stop**
Narval/file location	**File (first)** 43 **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: M1 coulex for 85Br **shift-in-charge** G. Rainovski / H. Pai

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: 10

FRS setting No.: S426-21

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 1.12 x 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: 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): -10
- TS3DS2HR (right): +10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -30
- TS4DS1HR (right): +30
- TS4DS1VO (left): -20
- TS4DS1VU (right): +20

S3 SLITS
- TS4DS3HL (left): -20
- TS4DS3HR (right): +20

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

MAGNETS
Field values from Hall probes:
- TS3MU1: 0.90855
- TS3MU2: 0.84224
- TS4MU1: 0.64574
- HFSMU1: 0.64525

FRS-RATES (counts/spill)
- 10 kHrtz : 101 KHz
- 10 kHrtz veto dT : 67 KHz
- SC21L: 901 KHz
- SC21R: 956.4 KHz
- SC41L: 479.8
- SC41R: 471.7

TA1
- Element : Au + Au
- Thickness : 2 mm + 1 mm
- Position: Centre + Forward

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 : 2144/1770
- FRS :
- Ta-ToF-LYCCA : 436.8 KHz
- HECTOR :

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

LN2
- LN2 Last Filling : 8.60 a.m
- Tank1 Vol. (%) : ~ 55 %
- Tank2 Vol. (%) : ~ 55 %

Check list

Name: Rose

Time: 10:51 ,

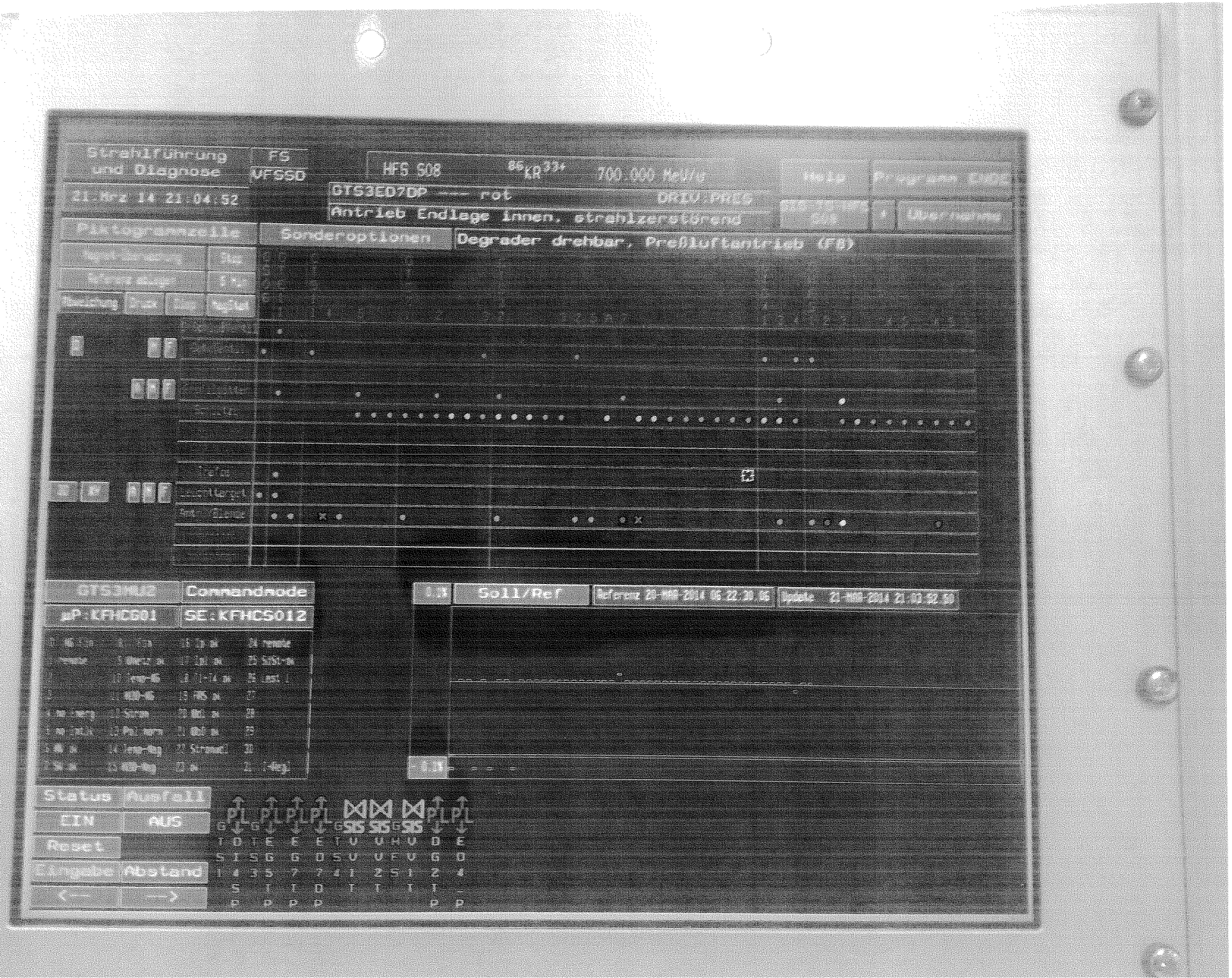
Agata

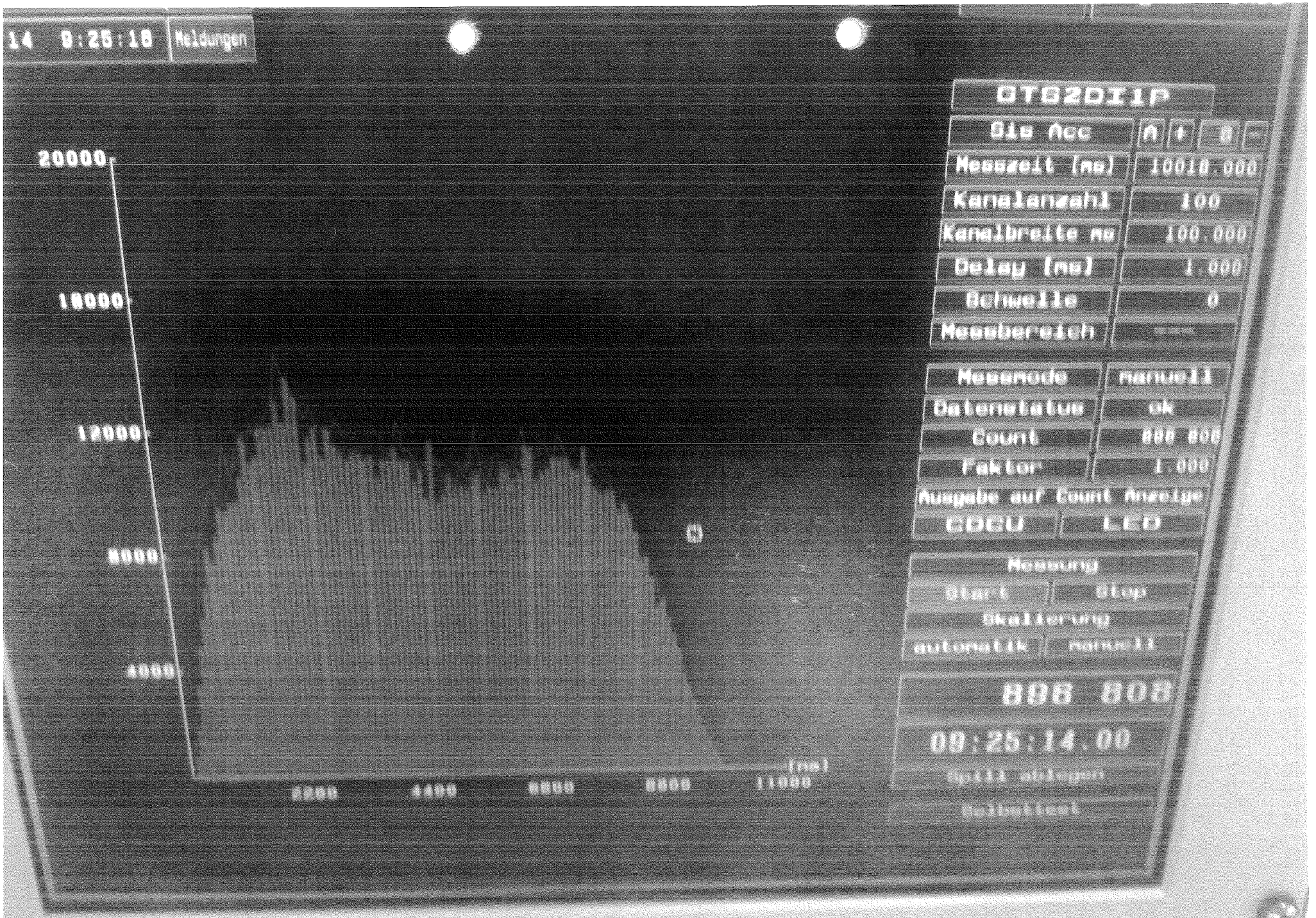
- Run number: 43
- Agava requested: 2452
- Agava validated: 2256
- Screenshot trigger rate + spectrum of time coincidence : ✓
- Check in Go4 that all Agata-TDC spectra are there: ✓
- Check that the last .cdat files has been written less then 10 minutes ago for all the crystals: ✓
- Copy and paste in 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: 806
- Beam intensity: $1,21.10^8$ (GTS 1 DI 45)
- Scaler sc at S4: 473.10^3 } at scalers
- Scaler sc at S2: 927.10^3 }
- 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: At the moment, the S4 and S2 scaler readout is not reliable. We have to change a NIM-ECL converter.


Strahlführung
und Diagnose
FS
VFSSD
HFS 508
700.000 MeV/u
GTS3ED7DP --- rot
DRIV:PREG
Antrieb Endlage innen, strahlzerstörend
Sonderoptionen
Degrader drehbar, Preßluftantrieb (FB)
GTS3MU2
Commandmode
Soll/Ref
Status
Ausfall
EIN
AUS
Reset
Abstand


14 0:25:18
Meldungen
20000
10000
12000
8000
4000
0
[ms]
4000
8000
11000
OTS2DI1P
Bis Acc
Messzeit (ms)
10010.000
Kanalanzahl
100
Kanalbreite ms
100.000
Delay (ms)
1.000
Schwelle
0
Messbereich
Messmode
manuell
Datenstatus
ok
Count
000 000
Faktor
1.000
Ausgabe auf Count Anzeige
COM1
LED
Messung
Start
Stop
Skalierung
automatik
manuell
000 000
09:25:14.00
Spill ablegen
Schliessen

No. 5426 Primary Beam: 86Kr Date 23/03/2014 (1.15 p.m.)

e location n/mon-A043/data	**File (first)** **File (last)** -0835+rmd	**Start** **Stop**
val/file location	**File (first)** **File (last)** 43	**Start** **Stop** 2.00 p.m
Merged(Narval+MBS)/file location	**File (first)** **File (last)** -0844.rmd	**Start** **Stop** 2.50 p.m

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

Mi couley for 85Br

COMMENTS: pt **shift-in-charge** G. Rainovski / H. Pai

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: 10s
- period: 10

FRS setting No. 5426-21

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 750
- Intensity-SEETRAM: 1.2x10^8

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

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

S2 DEGRADER
TS3ED7...
- Thickness: 5 gm/cm^2
- 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): -10
- TS3DS2HR (right): +10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -30
- TS4DS1HR (right): +30
- TS4DS1VO (left): -20
- TS4DS1VU (right): +20

S3 SLITS
- TS4DS3HL (left): -20
- TS4DS3HR (right): +20

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

MAGNETS
Field values from Hall probes:
- TS3MU1: 0.90855
- TS3MU2: 0.84224
- TS4MU1: 0.64574
- HFSMU1: 0.64525

FRS-RATES (counts/spill)
- 10 kHrtz : 99.6 KHz
- 10 kHrtz veto dT : 66.3 KHz
- SC21L: 960 KHz
- SC21R: 956 KHz
- SC41L: 491 KHz
- SC41R: 500 KHz

TA1
- Element : Au+Au
- Thickness : 2 mm + 1 mm
- Position: centre+forward

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)/...0
- ☒ p+Agata+Lyc(9)/6
- ☒ Part-SC41(10)/8..
- ☐ Spill-on(12)/.....
- ☐ Spill-off(13)/.....

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

PreSPEC-Rates (Validated/Rejected)
- AGATA :
- FRS :
- Ta-ToF-LYCCA : 455.5 KHz
- HECTOR :

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

LN2
- LN2 Last Filling : 8:00 a.m
- Tank1 Vol. (%) : ~55%
- Tank2 Vol. (%) : ~55%

Check list

Name: Rosa

Time: 13:08

Agata

- Run number: 43
- Agava requested: 2450
- Agava validated: 2128
- 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: 008 stopped

General

- lmd file nr: 834
- Beam intensity: $1,08 \cdot 10^8$ (GTS1 DI45)
- Scaler sc at S4: $475 \cdot 10^3$
- Scaler sc at S2: $129 \cdot 10^3$
- 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	**File (first)** **File (last)** 847.lmd	**Start** 23:48 **Stop**
Narval/file location	**File (first)** **File (last)** AR_44	**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** Tuğba Arıcı

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 sec
- period: 14 sec

FRS setting No.
S426-21

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 914558

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 35
- element: Be
- thickness: 25 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
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): -10
- TS3DS2HR (right): +10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -30
- TS4DS1HR (right): +30
- TS4DS1VO (left): -20
- TS4DS1VU (right): +20

S3 SLITS
- TS4DS3HL (left): ±20
- TS4DS3HR (right):

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

MAGNETS
Field values from Hall probes:
- TS3MU1: .90867
- TS3MU2: .84224
- TS4MU1: .64574
- HFSMU1: .64525

FRS-RATES (counts/spill)
- 10 kHrtz : 96 kHrtz
- 10 kHrtz veto dT : 64.82 kHrtz
- SC21L: 897130
- SC21R: 865821
- SC41L: 648918
- SC41R: 646679

TA1
- Element : Au / Au
- Thickness : 2mm / 1mm
- Position: center-Forward

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

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

PreSPEC-Rates (Validated/Rejected)
- AGATA : 236/2036
- FRS : 50000/2200
- Ta-ToF-LYCCA : 407386
- HECTOR : 3981[illegible]

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

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

Check list

Name: Lehmann 23.03. 23:25

Time: 23:20

Agata

- Run number: 44
- Agava requested: 2300
- Agava validated: 2000
- 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:

not checked as both setup

- Crystals with problems: 008 and 07B stopped

General

- lmd file nr: ~~2805~~ 847
- Beam intensity: ~780 000 at SC 2
- Scaler sc at S4: 380 k
- Scaler sc at S2: 770 k
- 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	**File (first)** **File (last)** -857.lmd	**Start** **Stop** 00:27
Narval/file location	**File (first)** **File (last)** AR_44	**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** Tuba

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 sec
- period: 12 sec

FRS setting No.
- S426-21

PRIMARY BEAM
- Element: 54Kr
- SIS energy [MeV/u]: 700
- Intensity-SEETRAM: 7201242

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 35
- element: Be
- thickness: 2.9 g/cm²

S1 DEGRADER
TS3ED2...
- Thickness: 2.9 g/cm²
- Wedge used:
- O2 (Wedge Oben):
- V1 (Wedge Unten):

S2 DEGRADER
TS3ED7...
- Thickness: 9.95 g/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): -10
- TS3DS2HR (right): +10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -30
- TS4DS1HR (right): +30
- TS4DS1VO (left): -20
- TS4DS1VU (right): +20

S3 SLITS
- TS4DS3HL (left): -20
- TS4DS3HR (right): +20

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

MAGNETS
Field values from Hall probes:
- TS3MU1: .90565
- TS3MU2: .84224
- TS4MU1: .66574
- HFSMU1: .66915

FRS-RATES
(counts/spill)
- 10 kHrtz : 99126
- 10 kHrtz veto dT : 71548
- SC21L: 708435
- SC21R: 709621
- SC41L: 375346
- SC41R: 38000

TA1
- Element : Au / Au
- Thickness : 2mm / 1mm
- Position: center forward

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 : 360 / 3084
- FRS : 45000/22000
- Ta-ToF-LYCCA : 351296
- HECTOR : 32617

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

LN2
- LN2 Last Filling : 8:00 a.m.
- Tank1 Vol. (%) : 55%
- Tank2 Vol. (%) : 55%

Check list

Name: Le Hennann

Time: 01:04 24.03.2014

Agata

- Run number: 44
- Agava requested: 2400
- Agava validated: 2100
- 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: 869
- Beam intensity: 990 000
- Scaler sc at S4: 470k
- Scaler sc at S2: 900k
- 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	**File (first)** / **File (last)** 0909.lmd	**Start** / **Stop** 04.27
Narval/file location	**File (first)** / **File (last)** AR-44	**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** Tuba

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 sec
- period: 12 sec

FRS setting No.: 5426-21

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

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 3rd
- 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: 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
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): -10
- TS3DS2HR (right): +10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -30
- TS4DS1HR (right): +30
- TS4DS1VO (left): -20
- TS4DS1VU (right): +20

S3 SLITS
- TS4DS3HL (left): -20
- TS4DS3HR (right): +20

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

MAGNETS
Field values from Hall probes:
- TS3MU1: .90865
- TS3MU2: .84226
- TS4MU1: .69574
- HFSMU1: .64915

FRS-RATES
(counts/spill)
- 10 kHrtz: 99685
- 10 kHrtz veto dT: 67382
- SC21L: 984261
- SC21R: 976432
- SC41L: 497579
- SC41R: 509032

TA1
- Element: Au/Al
- Thickness: 2mm / 1mm
- Position: centered/

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

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

PreSPEC-Rates
(Validated/Rejected)
- AGATA: 608/4060
- FRS: 65000/2500
- Ta-ToF-LYCCA: 466931
- HECTOR: 44765

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

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

Check list

Name: LeHuenn

Time: 4:30 24.03.2014

Agata

- Run number: 44
- Agava requested: 2700
- Agava validated: 2400
- 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: 00B & 07B stopped

General

- lmd file nr: 905
- Beam intensity: 1 000 000 at SC 2
- Scaler sc at S4: ~~1000k~~ 520k
- Scaler sc at S2: ~~520k~~ 1000k
- 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 24.03.2014

MBS/file location	File (first) / File (last): 0935.lmd	Start / Stop: 6:57
Narval/file location	File (first) / File (last): 44	Start / Stop
Merged(Narval+MBS)/file location	File (first) / File (last)	Start / Stop

PURPOSE OF MEASUREMENT: (Centered Isotope) ^{85}Br Coulex ☐ Calibration run ☒ Production run

COMMENTS: shift-in-charge G.R.; A.B.; M.C.

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: 12 s

FRS setting No.: S426_21

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

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

S1 DEGRADER
TS3ED2...
- Thickness: 2g/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
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): -10
- TS3DS2HR (right): +10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): -30
- TS4DS1HR (right): +30
- TS4DS1VO (left): -20
- TS4DS1VU (right): +20

S3 SLITS
- TS4DS3HL (left): -20
- TS4DS3HR (right): +20

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

MAGNETS
Field values from Hall probes:
- TS3MU1: .9855
- TS3MU2: .8424
- TS4MU1: .64574
- HFSMU1: .64515

FRS-RATES (counts/spill)
- 10 kHrtz: 96864
- 10 kHrtz veto dT: 67391
- SC21L: 923 kHz
- SC21R: 922 kHz
- SC41L: 470 kHz
- SC41R: 469 kHz

TA1
- Element: Au/Au
- Thickness: 2mg/cm² / 1mg/cm²
- Position: e / a

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 : 1:37
- Tank1 Vol. (%) : 95 %
- Tank2 Vol. (%) : 85 %

Check list

Name: Mario Cappelletto

Time: 6 42 24.3.2014

Agata

- Run number: 44
- Agava requested: 2496
- Agava validated: 2200
- 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: 00B and 07B stopped

General

- lmd file nr: 0937
- Beam intensity: 1 000 000 at S2
- Scaler sc at S4: 45 0000
- Scaler sc at S2: 880000
- 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 24.05.2014

MBS/file location	**File (first)** – 0947.lmd **File (last)**	**Start** **Stop** 8:04
Narval/file location	**File (first)** **File (last)** 44	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) 85Br Coulex ☐ Calibration run ☒ Production run

COMMENTS: **shift-in-charge** G.K.; A.B.; M.C

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: 10s
- period: 12s

FRS setting No.
S426-21

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 200
- Intensity-SEETRAM: —

PROD. TARGET
TS1ET5HS, TS1ET5VS:
- number: 38
- 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: 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
☐ beam stop out
- TS2DS3HL (left):
- TS2DS3HR (right):
- TS2DS3VO (top):
- TS2DS3VU (bottom):

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): −20
- TS3DS2HR (right): +20

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): −30
- TS4DS1HR (right): +30
- TS4DS1VO (left): −20
- TS4DS1VU (right): +20

S3 SLITS
- TS4DS3HL (left): −20
- TS4DS3HR (right): +20

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

MAGNETS
Field values from Hall probes:
- TS3MU1: .90865
- TS3MU2: .84724
- TS4MU1: .64574
- HFSMU1: .64525

FRS-RATES (counts/spill)
- 10 kHrtz :
- 10 kHrtz veto dT :
- SC21L: 899 kHz
- SC21R: 898 kHz
- SC41L: 452 kHz
- SC41R: 442 kHz

TA1
- Element : Au / Be
- Thickness : 20 / 1 µg
- 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. (%) :

Check list

Name: Mario Cappelletto

Time: 8:00 24.3.2014

Agata

- Run number: 44
- Agava requested: 2300
- Agava validated: 2000
- 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: 00B and 07B stopped

General

- lmd file nr: 0947
- Beam intensity: 932 000 (at S2)
- Scaler sc at S4: 4.300.000
- Scaler sc at S2: 8.900000
- 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 24.03.2014 | Continue

MBS/file location	**File (first)** / **File (last)** 0972.lmd	**Start** / **Stop** 10:19
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) 85Br ☐ 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 s
- period: 12 s

FRS setting No.: S426_21

PRIMARY BEAM
- Element: Kr
- SIS energy [MeV/u]: 200
- Intensity-SEETRAM: —

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

S1 SLITS
☐ beam plug out
- TS3DS2HL (left): −10
- TS3DS2HR (right): +10

S2 SLITS
☐ beam plug out
- TS4DS1HL (left): −30
- TS4DS1HR (right): +30
- TS4DS1VO (left): −20
- TS4DS1VU (right): +20

S3 SLITS
- TS4DS3HL (left): −20
- TS4DS3HR (right): +20

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

MAGNETS
Field values from Hall probes:
- TS3MU1: .90875
- TS3MU2: .89224
- TS4MU1: .64574
- HFSMU1: .64525

FRS-RATES (counts/spill)
- 10 kHrtz :
- 10 kHrtz veto dT :
- SC21L: 867 c
- SC21R: 867 c
- SC41L: 434 c
- SC41R: 424 c

TA1
- Element : Au / Au
- Thickness : 2 g / 1 g
- 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: A.B.

Time: 10:20 // 27.03.2014

Agata 44

- Run number:
- Agava requested: 2815
- Agava validated: 2520
- 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: 00B , 07B stopped

General

- lmd file nr: 0973.lmd →
- Beam intensity: ~~[illegible]~~ 874000/spill/Rate S2
- 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

MBS/file location /u/rising02/mur_16_14/data	**File (first)** 85Br_con-cent_AG45_ **File (last)** 384.lmd	**Start** 11:30 **Stop** 11:50
Narval/file location mur045	**File (first)** **File (last)**	**Start** **Stop**
Merged(Narval+MBS)/file location	**File (first)** **File (last)**	**Start** **Stop**

PURPOSE OF MEASUREMENT: (Centered Isotope) take out the 2nd target to measure the effects on time of flight ☒ 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:
- TS3MU2:
- TS4MU1:
- HFSMU1:

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

TA1
- Element : Au
- Thickness : 2g
- 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 :
- Tank1 Vol. (%) :
- Tank2 Vol. (%) :

Exp No. | Primary Beam: | Date

MBS/file location /u/rising02/mar_16_14/data	**File (first)** 85Br_emptytarget_1645_0985.lmd **File (last)**	**Start** 11:54 **Stop** 13:21
Narval/file location mh_0045	**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: both targets were moved out

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: 14s
- period: 10s

FRS setting No.
- S426_21

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 200
- Intensity-SEETRAM:

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

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: 0.90855
- TS3MU2: 0.84224
- TS4MU1: 0.64574
- HFSMU1: 0.64525

FRS-RATES
(counts/spill)
- 10 kHrtz : 157000
- 10 kHrtz veto dT : 137000
- SC21L: 760 k
- SC21R: 760 k
- SC41L: 400 k
- SC41R: 400k

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 : 07:40
- Tank1 Vol. (%) : 85 %
- Tank2 Vol. (%) : 79 %

Check list

Name: Mario Cipollazzi

Time: 11:34

Agata

- Run number: 45
- Agava requested: Mr
- Agava validated: 100
- 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: 00B and 07B

General

- lmd file nr: 3984
- Beam intensity: 497 472 (at SC)
- Scaler sc at S4: 3 8 00 000
- Scaler sc at S2: 3566.000
- 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: Mario Cappellazzo

Time: 11:55 24.3.14

Agata

- Run number: 45 (empty target)
- Agava requested: 1430
- Agava validated: 1500
- 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: 00B and 07B

General

- lmd file nr: 0985
- Beam intensity: 307 143 (at S2)
- Scaler sc at S4: 1.600005
- Scaler sc at S2: 3.900.000 ✓
- 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, 10, 12

Comments:

Exp No. | Primary Beam: | Date 24.3.2014

MBS/file location	**File (first)** data / 86Kr_mm_mat_994	**Start** 9.10pm
	File (last)	**Stop** 10:15 pm
Narval/file location	**File (first)** 86Kr_mimmat_700mgBe_0997	**Start**
	File (last)	**Stop**
Merged(Narval+MBS)/file location	**File (first)**	**Start**
	File (last)	**Stop**

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

COMMENTS: **shift-in-charge** Liliana

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: 45
- period: 85

FRS setting No.

PRIMARY BEAM
- Element: 86Kr
- SIS energy [MeV/u]: 700
- 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): -25
- TS3DS2HR (right): 25

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

S3 SLITS
- TS4DS3HL (left): 620
- TS4DS3HR (right):

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

MAGNETS
Field values from Hall probes:
- TS3MU1: 0.90135
- TS3MU2: 0.94934
- TS4MU1: 0.91994
- HFSMU1: 0.91955

FRS-RATES
(counts/spill)
- 10 kHrtz :
- 10 kHrtz veto dT :
- SC21L: 7006
- SC21R: 7100
- SC41L: 6000
- SC41R: 6300

TA1
- Element : Be
- Thickness : 700 mg/cm²
- Position: forward

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 : 19:50
- Tank1 Vol. (%) : 65
- Tank2 Vol. (%) : 62

setting with beam defocused to check Fingers thresholds.