

Exp No. 5426 Primary Beam: 86kr Date 2/10/3/14

MBS/file location
 File (first) 855kr_candc_A033_04rshw Start 05:30
 File (last) 442 Stop 9:30
 Narval/file location
 File (first) AR 33 Start 05:30
 File (last) Stop 9:30
 Merged(Narval+MBS)/file location
 File (first) Start
 File (last) Stop

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

COMMENTS:
 11- count 85kr
 stop to dump delay (log-book) shift-in-charge Staff

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: 105
 period: 135
 FRS setting No. S406-13

S1 DEGRADER
 TS3ED2...
 Thickness: 3
 Wedge used: #1
 O2 (Wedge Oben): -31,25mm
 V1 (Wedge Unten): -22,25mm

S0 SLITS
 beam stop out
 TS2DS3HL (left):
 TS2DS3HR (right):
 TS2DS3VO (top):
 TS2DS3VU (bottom):
 S1 SLITS
 beam plug out
 TS3DS2HL (left): no
 TS3DS2HR (right): 100

MAGNETS
 Field values from Hall probes:
 TS3MU1: 0.50955
 TS3MU2: 0.54224
 TS4MU1: 0.64534
 HFMSU1: 0.64435
 FRS-RATES (counts/spill)

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:

S2 DEGRADER
 TS3ED7...
 Thickness: 88
 L (Ladder): >101.7 (count)
 D (Disk): 26.2
 VO (Wedge Oben): -28.0
 VU (Wedge Unten): -28.0
 S4 DEGRADER
 HFSED3...
 Thickness:

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):

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: 0.50955
 TS3MU2: 0.54224
 TS4MU1: 0.64534
 HFMSU1: 0.64435
 FRS-RATES (counts/spill)
 10 kHz: 546
 10 kHz veto dT: 716
 SC21L: 700L
 SC21R: 7004
 SC41L: 3704
 SC41R: 3304
 TA1
 Element: Au
 Thickness: 28.1g
 Position: Center Forward

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: 01:40
 Tank1 Vol. (%): 85%
 Tank2 Vol. (%): 75%

PRIMARY BEAM
 Element: 86kr
 SIS energy [MeV/u]: 700
 Intensity-SEETRAM: 700k
 PROD. TARGET
 TS1ET5HS,
 TS1ET5VS:
 number: 35
 element: Be
 thickness: 2.5mg

S4 DEGRADER
 HFSED3...
 Thickness:

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: 0.50955
 TS3MU2: 0.54224
 TS4MU1: 0.64534
 HFMSU1: 0.64435
 FRS-RATES (counts/spill)
 10 kHz: 546
 10 kHz veto dT: 716
 SC21L: 700L
 SC21R: 7004
 SC41L: 3704
 SC41R: 3304
 TA1
 Element: Au
 Thickness: 28.1g
 Position: Center Forward

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: 01:40
 Tank1 Vol. (%): 85%
 Tank2 Vol. (%): 75%

Check list

Name:

Time: 5:39

Agata

- Run number: 33
- Agava requested: 2074
- Agava validated: 1902
- 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: 003 stopped

General

- lmd file nr: 445
- Beam intensity: $7.4 \cdot 10^5$ (GTS2DI1P)
- Scaler sc at S4: $350 \cdot 10^3$
- Scaler sc at S2: $758 \cdot 10^3$
- 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:

Global Status & control → stopped (GUE)

Exp No. 5426 Primary Beam: 86Kr 337 Date 21.03.14, 07:16
 MBS/file location /d/risingphi2/mcr-AG-14/ File (first) 8537 - Contex_A633-0497 Start 7:15
 Narval/file location File (last) Stop
 Merged(Narval+MBS)/file location File (first) Start
 File (last) Stop
 File (first) Start
 File (last) Stop

PURPOSE OF MEASUREMENT: (Centered Isotope) Calibration run Production run
 COMMENTS: Contex 8537

shift-in-charge

FRS/BEAMLINE elements <input checked="" type="checkbox"/> SEETRAM <input type="checkbox"/> SCI-01 <input checked="" type="checkbox"/> FRS-TAO <input checked="" type="checkbox"/> S1-degrader <input checked="" type="checkbox"/> S2-degrader <input checked="" type="checkbox"/> SCI-21 <input type="checkbox"/> S4-degrader <input checked="" type="checkbox"/> LYCCA-Start <input type="checkbox"/> LYCCA-TaStart <input checked="" type="checkbox"/> TA1 <input checked="" type="checkbox"/> TaDSSD	S1 DEGRADER TS3ED2... Thickness: 28/cm ² Wedge used: O2 (Wedge Oben): V1 (Wedge Unten):	S0 SLITS <input type="checkbox"/> beam stop out TS2DS3HL (left): TS2DS3HR (right): TS2DS3VO (top): TS2DS3VU (bottom): S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left): TS3DS2HR (right):	MAGNETS Field values from Hall probes: TS3MU1: 0.90945 TS3MU2: 0.84224 TS4MU1: 0.64534 HF5MU1: 0.64435 FRS-RATES (counts/spill) 10 kHzrtz : 100 10 kHzrtz veto dT : 75 SC21L: 700/200 SC21R: 700/200 SC41L: 3668 SC41R: 3445 TA1 Element: Thickness : Position:	PreSPEC-Trig/red. <input type="checkbox"/> Pulser(1) /..... <input type="checkbox"/> LYCCA cal(2)/..... <input checked="" type="checkbox"/> AgataCal(3)/...A <input type="checkbox"/> HEC Cal(4)/..... <input type="checkbox"/> FRS from TB(5)/... <input type="checkbox"/> p+HEC(6)/..... <input type="checkbox"/> p+Agata(7)/..... <input checked="" type="checkbox"/> p+HEC+Lyc(8)/...2 <input checked="" type="checkbox"/> p+Agata+Lyc(9)/...0 <input checked="" type="checkbox"/> Part-SC41(10)/...8 <input type="checkbox"/> Spill-on(12)/..... <input type="checkbox"/> Spill-off(13)/..... FRS-TRIGGER <input type="checkbox"/> SCI21 <input type="checkbox"/> SCI41 <input type="checkbox"/> Other:
SPILL spill length: period: FRS setting No. 5426-19	S2 DEGRADER TS3ED7... Thickness: 58/cm ² L (Ladder): D (Disk): VO (Wedge Oben): VU (Wedge Unten):	S2 SLITS <input type="checkbox"/> beam plug out TS4DS1HL (left): TS4DS1HR (right): TS4DS1VO (left): TS4DS1VU (right):	PreSPEC-Rates (Validated/Rejected) AGATA : 200/2000 FRS : 1400/200 Ta-ToF-LYCCA : HECTOR : LYCCA / Pls. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on eiog LN2 LN2 Last Filling : 7:57 Tank1 Vol. (%) : 75 Tank2 Vol. (%) : 70	PreSPEC-Trig/red. <input type="checkbox"/> Pulser(1) /..... <input type="checkbox"/> LYCCA cal(2)/..... <input checked="" type="checkbox"/> AgataCal(3)/...A <input type="checkbox"/> HEC Cal(4)/..... <input type="checkbox"/> FRS from TB(5)/... <input type="checkbox"/> p+HEC(6)/..... <input type="checkbox"/> p+Agata(7)/..... <input checked="" type="checkbox"/> p+HEC+Lyc(8)/...2 <input checked="" type="checkbox"/> p+Agata+Lyc(9)/...0 <input checked="" type="checkbox"/> Part-SC41(10)/...8 <input type="checkbox"/> Spill-on(12)/..... <input type="checkbox"/> Spill-off(13)/..... FRS-TRIGGER <input type="checkbox"/> SCI21 <input type="checkbox"/> SCI41 <input type="checkbox"/> Other:
PRIMARY BEAM Element: 86 Kr SIS energy [MeV/u] 700 Intensity-SEETRAM	S4 DEGRADER HF5ED3... Thickness: O (Wedge Oben): U (Wedge Unten):	S3 SLITS TS4DS3HL (left): TS4DS3HR (right): S4 SLITS HF5DS3H (left): HF5DS3H (right): Pb Brick (top): Pb Brick (bottom):	LYCCA / Pls. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on eiog LN2 LN2 Last Filling : 7:57 Tank1 Vol. (%) : 75 Tank2 Vol. (%) : 70	PROD. TARGET TS1E15HS, TS1E15VS: number: element: Be thickness: 2.5 mg/cm ²

slow control

Check list

Name:

Time: 7:36

Agata

- Run number: 33
- Agava requested: 2080
- Agava validated: 1988
- 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 stopped

General

- Imd file nr: 0468
- Beam intensity: $7,6 \times 10^5$ (GTS 2020)
- Scaler sc at S4: 375×10^3
- Scaler sc at S2: 779×10^3
- 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. 5426 Primary Beam: 86 kV Date: 21.03-2014

MBS/file location <i>/data/mcnp2/mcnp-7024/pdata</i>	File (first) File (last)	Start Stop
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: *change delay in target shift-in-charge Damian filling / David see if we record the DSS wall pattern => seems better*

FRS/BEAMLINE elements <input checked="" type="checkbox"/> SEETRAM <input type="checkbox"/> SCI-01 <input checked="" type="checkbox"/> FRS-TA0 <input checked="" type="checkbox"/> S1-degrader <input checked="" type="checkbox"/> S2-degrader <input checked="" type="checkbox"/> SCI-21 <input type="checkbox"/> S4-degrader <input checked="" type="checkbox"/> LYCCA-Start <input type="checkbox"/> LYCCA-TaStart <input checked="" type="checkbox"/> TA1 <input checked="" type="checkbox"/> TaDSSD	S1 DEGRADER TS3ED2... Thickness: <i>2.8/cm</i> Wedge used: O2 (Wedge Oben): V1 (Wedge Unten):	S0 SLITS <input type="checkbox"/> beam stop out TS2DS3HL (left): TS2DS3HR (right): TS2DS3VO (top): TS2DS3VU (bottom): S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left): TS3DS2HR (right): S2 SLITS <input type="checkbox"/> 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: <i>90865</i> TS3MU2: <i>84224</i> TS4MU1: <i>64534</i> HF5MU1: <i>64475</i> FRS-RATES (counts/spill) 10 kHzrtz: <i>108</i> 10 kHzrtz veto dT: <i>83</i> SC21L: <i>611</i> SC21R: <i>315</i> SC41L: <i>332</i> SC41R: <i>325</i> TA1 Element: Thickness: Position:	PreSPEC-Trig/red. <input checked="" type="checkbox"/> Pulser(1) /..... <input type="checkbox"/> LYCCA cal(2)/..... <input checked="" type="checkbox"/> AgataCal(3)/..... <input type="checkbox"/> HEC Cal(4)/..... <input type="checkbox"/> FRS from TB(5)/... <input type="checkbox"/> p+HEC(6)/..... <input type="checkbox"/> p+Agata(7)/..... <input checked="" type="checkbox"/> p+HEC+Lyc(8)/..... <input checked="" type="checkbox"/> p+Agata+Lyc(9)/... <input checked="" type="checkbox"/> Part-SC41(10)/..... <input type="checkbox"/> Spill-on(12)/..... <input type="checkbox"/> Spill-off(13)/..... FRS-TRIGGER <input type="checkbox"/> SCI21 <input type="checkbox"/> SCI41 <input type="checkbox"/> Other: PreSPEC-Rates (Validated/Rejected) AGATA: FRS: Ta-ToF-LYCCA: HECTOR: LYCCA / Pls. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog LN2 LN2 Last Filling: Tank1 Vol. (%): Tank2 Vol. (%):
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S2 DEGRADER TS3ED7... Thickness: <i>5.8/cm</i> L (Ladder): D (Disk): VO (Wedge Oben): VU (Wedge Unten): S4 DEGRADER HFSED3... Thickness: O (Wedge Oben): U (Wedge Unten):	SPILL spill length: <i>105</i> period: <i>130</i> FRS setting No. <i>5626-19</i> PRIMARY BEAM Element: <i>80Br</i> SIS energy [MeV/uj]: <i>700</i> Intensity-SEETRAM: <i>716 e3</i> PROD. TARGET TS1ET5HS, TS1ET5VS: number: element: <i>Be</i> thickness: <i>2.58/cm</i>
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Check list

Name: *Cesark*

Time: *9:40*

Agata

- Run number: *34*
- Agava requested: *2032*
- Agava validated: *L826*
- 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: *0480*
- Beam intensity: *(No beam)*
- Scaler sc at S4: *(No beam)*
- 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: *2, 3, 4, 8, 9, 10*

Comments:

- Time condition on the trigger change
- New run started
- runsheet finished at 10:00 am ~~10:00 am~~

Exp No. 5426 Primary Beam: 86Kr Date 21.03.2014

MBS/file location	File (first) File (last)	Start Stop
Narval/file location <i>E:\Agata\ts3\ts3\date2014\190314</i>	File (first) File (last)	Start Stop
Merged(Narval+MBS)/file location <i>- protocol - wedge</i>	File (first) File (last)	Start Stop

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

COMMENTS: *DAVID* shift-in-charge

FRS/BEAMLINE elements <input type="checkbox"/> SEETRAM <input type="checkbox"/> SCI-01 <input type="checkbox"/> FRS-TAO <input type="checkbox"/> S1-degrader <input type="checkbox"/> S2-degrader <input type="checkbox"/> SCI-21 <input type="checkbox"/> S4-degrader <input type="checkbox"/> LYCCA-Start <input type="checkbox"/> LYCCA-TaStart <input type="checkbox"/> TA1 <input type="checkbox"/> TaDSSD SPILL spill length: 10 period: 14 FRS setting No. 5426-19	S1 DEGRADER TS3ED2... Thickness: 2 g/cm ² Wedge used: O2 (Wedge Oben): V1 (Wedge Unten): S2 DEGRADER TS3ED7... Thickness: 58/cm ² L (Ladder): D (Disk): VO (Wedge Oben): VU (Wedge Unten): S4 DEGRADER HFSED3... Thickness: O (Wedge Oben): U (Wedge Unten):	S0 SLITS <input type="checkbox"/> beam stop out TS2DS3HL (left): TS2DS3HR (right): TS2DS3VO (top): TS2DS3VU (bottom): S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left): TS3DS2HR (right): S2 SLITS <input type="checkbox"/> 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: .90875 TS3MU2: .84224 TS4MU1: .64534 HF5MU1: .64475 FRS-RATES (counts/spill) 10 kHzrtz: 122 10 kHzrtz veto dT: 95 SC21L: 752 SC21R: 751 SC41L: 390 SC41R: 380 TA1 Element: Thickness: Position:	PreSPEC-Trig/red. <input type="checkbox"/> Pulsert(1) /..... <input type="checkbox"/> LYCCA cal(2)/..... <input type="checkbox"/> AgataCal(3)/..... <input type="checkbox"/> HEC Cal(4)/..... <input type="checkbox"/> FRS from TB(5)/... <input type="checkbox"/> p+HEC(6)/..... <input type="checkbox"/> p+Agata(7)/..... <input type="checkbox"/> p+HEC+Lyc(8)/..... <input type="checkbox"/> p+Agata+Lyc(9)/... <input type="checkbox"/> Part-SC41(10)/..... <input type="checkbox"/> Spill-on(12)/..... <input type="checkbox"/> Spill-off(13)/..... FRS-TRIGGER <input type="checkbox"/> SCI21 <input type="checkbox"/> SCI41 <input type="checkbox"/> Other: PreSPEC-Rates (Validated/Rejected) AGATA: 200/3800 FRS: 2100/200 Ta-ToF-LYCCA: 343 HECTOR: 63 LYCCA / Pls. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog LN2 LN2 Last Filling: 750 Tank1 Vol. (%): 74 Tank2 Vol. (%): 69
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PROD. TARGET
 TS1ET5HS,
 TS1ET5VS:
 number:
 element: *Be*
 thickness: *2.5 g/cm²*

MBS

Check list

Name: *Coimbe*

Time: *19:50*

Agata

- Run number: *35*
- Agava requested: *1800*
- Agava validated: *1600*
- Screenshot trigger rate + spectrum of time coincidence :
- Check in Go4 that all Agata-TDC spectra are there: (~~is~~ *Go4* Agata Timebase *mhtd*)
- 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: *487*
- Beam intensity: *801739*
- Scaler sc at S4: (DAQ scaler *S44*) *140 10³*
- Scaler sc at S2: (DAQ scaler *S21*) *134 10³*
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall (DAQ *lysa-wall-xvsy*)
- Check in Go4 the triggers: (DAQ *Trigger* *DAQ-trigger-value*)

Comments:

3 8910

Check list

Name: *Cerac*

Time: *2:06*

Agata

- Run number: ~~0444~~ *35* ✓
- Agava requested: *1758* ✓
- Agava validated: *1506* ✓
- 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 stopped*

General

- lmd file nr: *0449*
- Beam intensity:
- Scaler sc at S4: *2-3*10⁵*
- Scaler sc at S2: *5*10⁵*
- Check in Go4 all the spectra of the list*:
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers:

Comments: *07B → stopped*

Exp No. 5426 Primary Beam: 86Kr Date 21.07.2014

MBS/file location
~~/d1/rising @ /Proc-A6-14/Ash/~~
 File (first) 85 br-condx_A63c_DS02 Start 20:24
 File (last) DS06.LMA Prod Stop 20:55

Narval/file location
~~run~~ 36
 File (first) 20:24
 File (last) 20:55

Merged(Narval+MBS)/file location
 File (first)
 File (last)

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

COMMENTS: ~~DATA check is still under preparation~~ **shift-in-charge**
 Sc41 is sometimes crashing too much / Sc41 was not in the pocket was in

FRS/BEAMLINE elements <input checked="" type="checkbox"/> SEETRAM <input type="checkbox"/> SCI-01 <input checked="" type="checkbox"/> FRS-TAO <input checked="" type="checkbox"/> S1-degrader <input checked="" type="checkbox"/> S2-degrader <input checked="" type="checkbox"/> SCI-21 <input type="checkbox"/> S4-degrader <input checked="" type="checkbox"/> LYCCA-Start <input type="checkbox"/> LYCCA-TaStart <input checked="" type="checkbox"/> TA1 <input checked="" type="checkbox"/> TaDSSD		S1 DEGRADER TS3ED2... Thickness: <u>2.8/cm²</u> Wedge used: <u>O2 (Wedge Oben);</u> <u>V1 (Wedge Unten);</u>		S0 SLITS <i>open</i> <input type="checkbox"/> beam stop out TS2DS3HL (left): TS2DS3HR (right): TS2DS3VO (top): TS2DS3VU (bottom):		MAGNETS Field values from Hall probes: TS3MU1: <u>0.90855</u> TS3MU2: <u>0.84224</u> TS4MU1: <u>0.64534</u> HFMSU1: <u>0.64475</u>		PreSPEC-Trig/red. <input type="checkbox"/> Pulser(1)/..... <input type="checkbox"/> LYCCA cal(2)/..... <input type="checkbox"/> AgataCal(3)/..... <input type="checkbox"/> HEC Cal(4)/..... <input type="checkbox"/> FRS from TB(5)/... <input type="checkbox"/> p+HEC(6)/..... <input type="checkbox"/> p+Agata(7)/..... <input checked="" type="checkbox"/> p+HEC+Lyc(8)/..... <input checked="" type="checkbox"/> p+Agata+Lyc(9)/... <input checked="" type="checkbox"/> Part-SC41(10)/..8. <input checked="" type="checkbox"/> Spill-on(12)/..... <input checked="" type="checkbox"/> Spill-off(13)/.....	
SPILL spill length: <u>40 sec</u> period: <u>14 sec</u>		S2 DEGRADER TS3ED7... Thickness: <u>5g/cm²</u> L (Ladder): D (Disk): VO (Wedge Oben): VU (Wedge Unten):		S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left): <u>-10</u> TS3DS2HR (right): <u>+10</u>		FRS-RATES (counts/spill) 10 kHz: <u>10 k</u> 10 kHz veto dT: <u>65 k</u>		FRS-TRIGGER <input type="checkbox"/> SCI21 <input checked="" type="checkbox"/> SCI41 <input type="checkbox"/> Other:	
FRS setting No. <u>826-14</u>		S2 SLITS <input type="checkbox"/> beam plug out TS4DS1HL (left): <u>-20</u> TS4DS1HR (right): <u>+20</u> TS4DS1VO (left): <u>-30</u> TS4DS1VU (right): <u>+30</u>		FRS-RATES (counts/spill) 10 kHz: <u>10 k</u> 10 kHz veto dT: <u>65 k</u>		PreSPEC-Rates (Validated/Rejected) AGATA: FRS: Ta-ToF-LYCCA: HECTOR:		LYCCA / Pls. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog	
PRIMARY BEAM Element: <u>86Kr</u> SIS energy [MeV/u]: <u>700</u> Intensity-SEETRAM		S3 SLITS TS4DS3HL (left): <u>-20</u> TS4DS3HR (right): <u>+20</u>		SC21L: <u>440 k</u> SC21R: <u>440 k</u> SC41L: <u>200 k</u> SC41R: <u>200 k</u>		LYCCA / Pls. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog		LN2 LN2 Last Filling: Tank1 Vol. (%): Tank2 Vol. (%):	
PROD. TARGET TS1ET5HS, TS1ET5VS: number: <u>35</u> element: <u>Be</u> thickness: <u>2.5 g/cm²</u>		S4 SLITS HFSDS3H (left): <u>-35</u> HFSDS3H (right): <u>35</u> Pb Brick (top): Pb Brick (bottom):		TA1 Element: <u>Au + Au</u> Thickness: <u>2g & 1g</u> Position: <u>Center & downstr.</u>		LYCCA / Pls. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog		LN2 LN2 Last Filling: Tank1 Vol. (%): Tank2 Vol. (%):	

Experiment
 Filesheet number
 DATE
 Time
 Who

21/3
 20:25
 DANIEL

TARGET BEAM INTENSITY

FILE-RUN NUMBER NAME

36

write ok or comment

RAW spectra 6 ADC
 RAW spectra 7 ADC
 RAW spectra 8 TDC

HISTOGRAM

baf slow
 baf fast
 baf fast vs slow
 baf time
 baf slow vs time

	1	2	3	4	5	6	7	8

labr

HG

TIME

LG-TOF

HG-TOF

	1	2	3	4	5	6	7	8	9	10

SCALERS KMAX

32 bit counters
 183×10^6 S4
 204×10^6 OR_BaF2
 436×10^6 OR_LaBr3
 624×10^6 OR_Hector
 28.4×10^6 S4 & Hector
 Hector_MT

CurrentRATE

Rate S4
 RATE_OR_BaF2
 RATE_OR_LaBr3
 Rate_OR_Hector
 Rate_S4_&_Hector
 Rate_Hector_MT

TotalRate

4.9 k
 5.4 k
 11.5 k
 16.6 k
 0.7 k
 1.6 k

RATE S4

SYNCHRO

ToF TOF

TOF LYCCA TOF LABr

TRIGGER RATE g04

OBSERVATIONS
 REMARKS

For experts ONLY
 PLEASE CHECK in KMAX once per DAY the ADC and TDC settings and always after each MBS reboot
 PLEASE CHECK once per DAY the LaBr-PRO and BaF-Pro setting

Check list

Name:

Time: 8.27

Agata

- Run number: 36
- Agava requested: 1500
- Agava validated: 1434
- 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: 502
- Beam intensity: $4,5 \cdot 10^5$ (GTS2DJ1P)
- Scaler sc at S4: $225 \cdot 10^3$ } at scalers
- Scaler sc at S2: $445 \cdot 10^3$ }
- 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 21.03.2014

MBS/file location W/ming02/mar-AG-M/data File (first) 35Br_toulex-A636_0507 Start 21:00
 File (last) _____ Stop _____

Narval/file location var 37 File (first) _____ Start 21:02
 File (last) _____ Stop _____

Merged(Narval+MBS)/file location _____ Start _____ Stop _____

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

COMMENTS: And hilermane has using A6ATA label, Agata rate is 37 shift-in-charge

FRS/BEAMLINE elements

SEETRAM
 SCI-01
 FRS-TAO
 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.
S426-19

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

MAGNETS
 Field values from Hall probes:
 TS3MU1: 0.90845
 TS3MU2: 0.84224
 TS4MU1: 0.64534
 HF5MU1: 0.64475

FRS-RATES
 (counts/spill)
 10 kHz: 10 k
 10 kHz veto dT: 65 k
 SC21L: 780 k
 SC21R: 780 k
 SC41L: 420 k
 SC41R: 400 k

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: _____

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

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

S4 DEGRADER
 HF5ED3...
 Thickness: _____
 O (Wedge Oben): _____
 U (Wedge Unten): _____

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

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: 19:30
 Tank1 Vol. (%): 55%
 Tank2 Vol. (%): 54%

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

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

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

S4 SLITS
 HF5DS3H (left): -35
 HF5DS3H (right): +35
 Pb Brick (top): _____
 Pb Brick (bottom): _____

TA1
 Element: A + Au
 Thickness: 2 mm & 1 mm
 Position: _____

From 21.30 Finger th. being changed.

From 22.10 Finger is with paper settings (11) (11)

Check list

Name:

Time: 21:06

Agata

- Run number: 57
- Agava requested: 1772
- Agava validated: 1520
- 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: 006 stopped

General

- lmd file nr: 508
- Beam intensity: $1 \cdot 10^8$ (6752DJ18)
- Scaler sc at S4: 55000 } in go4
- Scaler sc at S2: $110 \cdot 10^3$ }
- Check in Go4 all the spectra of the list*:
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: 13, 89, 10

Comments:

Exp No.

Primary Beam:

Date

21.03.2014

MBS/file location

d:\151902\mar_Ag_14\data

File (first)

87Br_callex_A036.0923

File (last)

(Prod) 22:40

Narval/file location

run 36

File (first)

AG → 37

File (last)

23:40

Merged(Narval+MBS)/file location

Start Stop

Start Stop

PURPOSE OF MEASUREMENT: (Centered Isotope)

Calibration run

Production run

COMMENTS: From 0524 AG is 37

shift-in-charge

FRS/BEAMLINE

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

SPILL

spill length: 8 sec

period: 10 sec

FRS setting No.

5426-19

PRIMARY BEAM

Element: 86Kr

SIS energy [MeV/u]: 700

Intensity-SEETRAM 51777648

PROD. TARGET

TS1ET5HS, TS1ET5VS:

number: 37

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): -20

TS4DS1HR (right): +20

TS4DS1VO (left): -30

TS4DS1VU (right): +00

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: 84224

TS4MU1: 64534

HFSMU1: 6485

FRS-RATES

(counts/spill)

10 kHz: 80825

10 kHz veto dT: 60531

SC21L: 567843

SC21R: 571165

SC41L: 299130

SC41R: 281855

TA1

Element: Au - Au

Thickness: 2mm / 1mm

Position: center

PreSPEC-Trig/red.

- Pulser(1) /
- LYCCA cal(2) /
- AgataCal(3) / 2.5
- HEC Cal(4) /
- FRS from TB(5) / ...
- p+HEC(6) /
- p+Agata(7) /
- p+HEC+Lyc(8) / 2.2
- p+Agata+Lyc(9) / ...
- Part-SC41(10) / 2.2
- Spill-on(12) /
- Spill-off(13) /

FRS-TRIGGER

- SCI21
- SCI41
- Other:

PreSPEC-Rates

(Validated/Rejected)

AGATA: 132 / 764

FRS: 2500 / 80000

Ta-ToF-LYCCA: 264067

HECTOR: 45450

LYCCA / Pls. check

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

LN2

LN2 Last Filling:

Tank1 Vol. (%):

Tank2 Vol. (%):

Check list

Name: GAOEN

Time: 23:15

Agata

- Run number: MRS JUN 37 (AGATA RUN 36-37)
- Agava requested: 2.2 kHz
- Agava validated: 2.0 kHz
- Screenshot trigger rate + spectrum of time coincidence: GTS_23032014_23k15
- 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: GTS_23k15_21Mar2014.txt
- 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: ~~5~~ Br. cover - AGAT_0527.lmd
- Beam intensity:
- Scaler sc at S4: ~~200 kHz~~ 240 kHz
- Scaler sc at S2: 570 kHz
- 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: