

Exp No. 5426 Primary Beam: He kV Date 23/03/2014 (11:00)

MBS/file location	File (first) 85Br - Eculer A643-08-1-02	Start
Navval/file location	File (first) 63	Stop
Merged(Navval+MBS)/file location	File (first) File (last)	Start Stop
PURPOSE OF MEASUREMENT: (Centered Isotope)	<input type="checkbox"/> Calibration run	<input type="checkbox"/> Production run

COMMENTS: W1 coupler for 85Br

shift-in-charge 6. Rainovski / H. spa

FRS/BEAMLINE elements	S1 DEGRADER TS3ED2... Thickness: <u>2.8 mm</u>	SO SLITS <input checked="" type="checkbox"/> open <input type="checkbox"/> beam stop out	MAGNETS Field values from Hall probes: TS3MU1: <u>0.00 855</u> TS3MU2: <u>0.84 124</u> TS4MU1: <u>0.64 574</u> HFSMU1: <u>0.64 525</u>	PreSPEC-Trig/red. <input 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 type="checkbox"/> p+HEC+lyc(8)/..... <input type="checkbox"/> p+Agata+lyc(9)/..... <input type="checkbox"/> Part-SC41(10)/..... <input type="checkbox"/> Split-on(12)/..... <input type="checkbox"/> Split-off(13)/.....
SEETRAM	SCI-01 FRS-TA0	TS2DS3HL (left): TS2DS3HR (right): TS2DS3VO (top): TS2DS3VU (bottom): S1 SLITS <input type="checkbox"/> beam plug out	TS3DS2HL (left): <u>-10</u> TS3DS2HR (right): <u>+10</u> S2 SLITS <input type="checkbox"/> beam plug out	FRS-RATES (counts/spill) 10 kHz : <u>10 kHz</u>
S1-degrader	S2-degrader	TS4DS1HL (left): <u>20</u> TS4DS1HR (right): <u>+30</u>	TS4DS1VO (left): <u>20</u> TS4DS1VU (right): <u>+20</u>	10 kHz veto dT : 67 kHz
SCI-21	S4-degrader	L (Ladder): D (Disk):	SC21L: <u>0.61 mH</u>	AGATA : 2144 / 1710
LYCCA-Start	LYCCA-TaStart	V0 (Wedge Open): VU (Wedge Unten):	SC21R: <u>0.56 mH</u>	FRS : Ta-ToF-LYCCA : 436.8 kHz
TA1	TaDSSD	S4 DEGRADER HFSED3... Intensity-SEETRAM <u>1,12 X 10^-4</u>	SC41L: <u>4.49.9</u> TS4DS3HL (left): <u>-20</u> S4 SLITS HFSDS3H (left): <u>55</u>	HECTOR : SC41R: <u>4.71.7</u> TS4DS3HR (right): <u>+20</u>
SPILL	spill length:	O (Wedge Open): U (Wedge Unten):	TA1 Element: <u>Au + Au</u>	LYCCA / PIs. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog
	10 s	number: <u>35</u>	LN2	LN2 Last Filling : <u>8.60 cm</u>
	period: <u>10</u>	element: <u>B2</u>	Thickness: <u>2 mm + 1 mm</u>	Tank1 Vol. (%) : <u>55%</u>
		thickness: <u>2.5 g/cm^3</u>	Pb Brick (bottom): <u>Pb Brick</u>	Tank2 Vol. (%) : <u>55%</u>

Check list

Name: Agata

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 sun 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: $1,2 \cdot 10^8$ (GTS1DS4S)
- Scaler sc at S4: $4.3 \cdot 10^3$ at scales
- Scaler sc at S2: $1.27 \cdot 10^3$
- 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:

At the moment, the S4 and S2 scalers are down.
is not reliable. We have to change a
NIM-ECCL converter.

Stromfilteranwendung	F5	und Diagnose	UFS50	HFS 508	86 KR 333	700.000 MEV/L	DEUT-PR06	Multitab Endtage 1mnen, erreichbar gestoerend	Ende der Optikationen Degradier druehbar, Preellfuttertafel (F5)
Stromfilteranwendung	F5	und Diagnose	UFS50	HFS 508	86 KR 333	700.000 MEV/L	DEUT-PR06	Multitab Endtage 1mnen, erreichbar gestoerend	Ende der Optikationen Degradier druehbar, Preellfuttertafel (F5)
Stromfilteranwendung	F5	und Diagnose	UFS50	HFS 508	86 KR 333	700.000 MEV/L	DEUT-PR06	Multitab Endtage 1mnen, erreichbar gestoerend	Ende der Optikationen Degradier druehbar, Preellfuttertafel (F5)
Stromfilteranwendung	F5	und Diagnose	UFS50	HFS 508	86 KR 333	700.000 MEV/L	DEUT-PR06	Multitab Endtage 1mnen, erreichbar gestoerend	Ende der Optikationen Degradier druehbar, Preellfuttertafel (F5)
Stromfilteranwendung	F5	und Diagnose	UFS50	HFS 508	86 KR 333	700.000 MEV/L	DEUT-PR06	Multitab Endtage 1mnen, erreichbar gestoerend	Ende der Optikationen Degradier druehbar, Preellfuttertafel (F5)

No. 5426	Primary Beam:	96 Kr	Date 22/03/2014 (1, 15 p.m.)
e location	File (first)	-0835+Km-A	Start Stop
e location	File (last)	-0844+Km	Start Stop
val/file location	File (first)	43	Start Stop
Merged(Narval+MBS)/file location	File (last)	-0844+Km	Start Stop
PURPOSE OF MEASUREMENT: (Centered Isotope)		<input type="checkbox"/> Calibration run	<input type="checkbox"/> Production run
shift-in-charge A. Reinowski / H. Apel			
TA1 coulter for 85 Br			
COMMENTS: <i>dy</i>			

FRS/BEAMLINE elements	S1 DEGRADER TS3ED2... Thickness: <i>2 mm (C w)</i>	S0 SLITS <input type="checkbox"/> beam stop out Field values from Hall probes: TS2DS3HL (left): TS2DS3HR (right): Wedge used: O2 (Wedge Oben): V1 (Wedge Unten): S2 DEGRADER TS3ED7... Thickness: <i>5 mm (C w)</i>	MAGNETS beam stop out Field values from Hall probes: TS3MU1: <i>0.90855</i>
<input type="checkbox"/> SEETRAM	<input type="checkbox"/> FRS-TAO	<input type="checkbox"/> S1-degrader	<input type="checkbox"/> LYCCA cal(2) / ... AgataCal(3) / ... HEC Cal(4) / ... FRS from TB(5) / ... p+HEC(6) / ... p+Agata(7) / ... p+HEC+LyC(8) / ... Part-SC41(10) / ... p+Agata+LyC(9) / ... Spill-on(12) / ... Spill-off(13) / ...
<input type="checkbox"/> SCI-01	<input type="checkbox"/> S2-degrader	<input type="checkbox"/> SCI-21	<input type="checkbox"/> SCI21
<input type="checkbox"/> S1-degrader	<input type="checkbox"/> S4-degrader	<input type="checkbox"/> TA1	<input type="checkbox"/> SCI41
<input type="checkbox"/> S2-degrader	<input type="checkbox"/> LYCCA-Start	<input type="checkbox"/> TaDSSD	<input type="checkbox"/> Other:
<input type="checkbox"/> LYCCA-Start	<input type="checkbox"/> TA1	<input type="checkbox"/> TaDSSD	PreSPEC-Rates (Validated/Rejected)
SPILL	spill length: <i>10 s</i>	S1 SLITS TS3DS2HL (left): <i>-10</i>	AGATA :
period: <i>10</i>	S2 SLITS TS3DS2HR (right): <i>+10</i>	10 kHz : <i>99.6 kHz</i>	
FRS setting No. <i>5426-21</i>	L (Ladder): D (Disk): <i>-30</i>	10 kHz veto dT : <i>66.3 kHz</i>	
PRIMARY BEAM	V0 (Wedge Oben): VO (Wedge Unten): <i>+20</i>	FRS : SC21L: <i>960 kHz</i>	
Element: <i>86 Kr</i>	VU (Wedge Unten): <i>+20</i>	SC21R: <i>556 kHz</i>	
SIS energy [MeV/u] <i>74.60</i>	S4 DEGRADER HFSED3... Thickness: <i>1.2 x 10^-8</i>	SC41L: TS4DS3HL (left): <i>-20</i>	
Intensity-SEETRAM	O (Wedge Oben): U (Wedge Unten): <i>-35</i>	SC41R: TS4DS3HR (right): <i>+20</i>	
PROD. TARGET	S4 SLITS HFSDS3H (left): <i>-35</i>	LYCCA / PIs. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog	
TS1ET5HS, TS1ET5VS: number: <i>35</i>	Pb Brick (top): <i>/</i>	LN2 LN2	
element: <i>B</i>	Pb Brick (bottom): <i>/</i>	LN2 Last Filling : <i>8.00 m</i>	
thickness: <i>2.5 mm (w)</i>	Position: center & forward	Tank1 Vol. (%): <i>~55%</i>	
		Tank2 Vol. (%): <i>~55%</i>	

Check list

Name: Ross

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: 000 ~~stopped~~

General

- lmd file nr: 834
- Beam intensity: 1,08 · 10⁸ (GTS AND TDS)
- Scaler sc at S4: 45 · 10³
- Scaler sc at S2: 129 · 10³
- 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)	8477-Ind 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)	<input type="checkbox"/> Calibration run <input checked="" type="checkbox"/> Production run	
COMMENTS:	shift-in-charge <i>Tugba Acel</i>	
FRS/BEAMLINE elements <input checked="" type="checkbox"/> SEE TRAM <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 checked="" type="checkbox"/> S4-degrader <input checked="" type="checkbox"/> LYCCA-Start <input checked="" type="checkbox"/> LYCCA-Te Start <input checked="" type="checkbox"/> TA1 <input type="checkbox"/> TaDSSD		
S1 DEGRADER TS3ED2... Thickness: 2.9 g/cm^2 Wedge used: <input checked="" type="checkbox"/> O2 (Wedge Oben); <input checked="" type="checkbox"/> V1 (Wedge Unten);		
S2 DEGRADER TS3ED7... Thickness: 5.9 g/cm^2 L (Ladder): <input checked="" type="checkbox"/> D (Disk):		
FRS setting No. $2426-21$		
PRIMARY BEAM Element: ^{36}Kr SIS energy [MeV/u]: 700		
Intensity-SEETRAM 914558		
PROD. TARGET TS1ET5HS, TS1ET5VS; number: 35		
element: Be thickness: 2.5 g/cm^2		
MAGNETS <input type="checkbox"/> beam stop out TS2DS3HL (left): <input type="checkbox"/> TS2DS3HR (right): <input type="checkbox"/> TS2DS3VO (top): <input type="checkbox"/> TS2DS3VU (bottom): S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left): -10 S2 SLITS <input type="checkbox"/> beam plug out TS4DS1HL (left): -30 <input type="checkbox"/> TS4DS1HR (right): $+30$ <input type="checkbox"/> TS4DS1VO (left): -20 <input type="checkbox"/> TS4DS1VU (right): $+20$ S3 SLITS TS4DS3HL (left): -20 TS4DS3HR (right): $+20$ S4 SLITS <input type="checkbox"/> O (Wedge Oben); <input type="checkbox"/> U (Wedge Unten);		
PreSPEC-Trig/red. <input type="checkbox"/> Pulser(1) / <input type="checkbox"/> LYCCA call(3) / <input checked="" type="checkbox"/> AgataCal(3) / <input type="checkbox"/> HEC Ca(4) / <input type="checkbox"/> FRS from 1B(5) / <input type="checkbox"/> p+HEC(6) / <input type="checkbox"/> p+Agata(7) / <input 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 checked="" type="checkbox"/> SCI41 <input type="checkbox"/> Other:		
PreSPEC-Rates (Validated/Rejected) AGATA : $236/2036$ FRS : $40000/2200$ Ta-ToF-LYCCA : $L073386$ HECTOR : 39840 <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on eLog		
LYCCA / PIs. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on eLog LN2 LN2 Last Filling : Tank1 Vol. (%) : Tank2 Vol. (%) :		

Check list

Name: Lehmann

Time: 23:20

23.03. 23:25

Agata

- Run number: 44
- Agata requested: 2300
- Agata 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:

no problem
check {
 ↳ other
setup : Crystals with problems: 008 and 073 stopped

General

- lmd file nr: 286 847
- Beam intensity: ~780 000 at sc 2
- Scaler sc at S4: 380k
- Scaler sc at S2: 770k
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall
- Check in Go4 the triggers: 4, 3, 8, 9, 10

Comments:

Exp No.	Primary Beam:	Date	
MBS/file location	File (first) File (last)	- 851.1.m1	
Narval/file location	File (first) File (last)	An - uu	
Merged(Narval+MBS)/file location	File (first) File (last)	Start Stop	
PURPOSE OF MEASUREMENT: (Centered Isotope)	<input type="checkbox"/> Calibration run <input checked="" type="checkbox"/> Production run		
COMMENTS:	shift-in-charge Tupla		
FRS/BEAMLINE elements	S1 DEGRADER TS3ED2... Thickness: 2.96 cm	MAGNETS <input type="checkbox"/> beam stop out TS2DS3HL (left): TS2DS3HR (right): Wedge used: TS2DS3VO (top): TS2DS3VU (bottom): S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left): ~10 TS3DS2HR (right): +10 S2 DEGRADER TS3ED7... Thickness: 1.45 / 1.46 L (Ladder): D (Disk): FRS setting No. SH26-21	MAGNETS <input type="checkbox"/> Field values from Hall probes: TS3MU1: 90865 TS3MU2: 84224 TS4MU1: 64574 HFSMU1: 60515 FRS-TRIGGER <input type="checkbox"/> SCI21 <input type="checkbox"/> SCI41 <input type="checkbox"/> Other: PreSPEC-Rates (Validated/Rejected) AGATA: 360 / 3080 FRS: 45900 / 1100 Ta-ToF-LYCCA: 351296 HECTOR: 32617
SPILL	spill length: 10 sec	S2 SLITS <input type="checkbox"/> beam plug out TS4DS1HL (left): ~30 TS4DS1HR (right): +30 V0 (Wedge Oben): VO (Wedge Unten): S3 SLITS TS4DS1VO (left): ~20 TS4DS1VU (right): +20 S4 DEGRADER HFSED3... Thickness: O (Wedge Oben): U (Wedge Unten):	PreSPEC-Rates (Validated/Rejected) 10 kHz veto dT : 99126 10 kHz veto dT : 71548 SC21L: 703435 SC21R: 709421 SC41L: 3753416 SC41R: 368000 TA1 Element : Au / Au
PRIMARY BEAM	Element: SH16 SI Energy [MeV/u]: 100	S4 SLITS HFDS3H (left): ~35 HFDS3H (right): +35 PB TARGET TS1ET5HS, TS1ET5VS: number: 7291262 element: Be thickness: 2.596 cm	LYCCA / PIs. check <input type="checkbox"/> Run sheet filled <input type="checkbox"/> Run sheet uploaded on elog LN2 Thickness : 20 mm Position: scale forward
		Pb Brick (top): Pb Brick (bottom): Position: scale forward	LN2 Last Filling : 00-00 Tank1 Vol. (%) : 50% Tank2 Vol. (%) : 50%

Check list

Name: Le Huu An

Time: Oct: 04 24.03.2014

Agata

- Run number: 44
- Agava requested: 2400
- 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:

General

- lmd file nr: 869
- Beam intensity: 330 000
- Scaler sc at S4: 4706K
- Scaler sc at S2: 900 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)	0909.Ind 04.17
Naval/file location	File (first) File (last)	Start Stop
Merged(Naval+MBS)/file location	File (first) File (last)	Start Stop
PURPOSE OF MEASUREMENT: (Centered Isotope)	<input type="checkbox"/> Calibration run <input checked="" type="checkbox"/> Production run	
COMMENTS:	shift-in-charge <i>Ti⁶⁰</i>	
FRS/BEAMLINE elements	S1 DEGRADER TS3ED2... <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: <i>10 sec</i> S2 DEGRADER TS3ED7... <input type="checkbox"/> Thickness: <i>7 g/cm²</i> L (Ladder): <input type="checkbox"/> D (Disk): FRS setting No. <i>Sk26 - 24</i> PRIMARY BEAM Element: <i>Fe</i> SiS energy [MeV/u]: <i>700</i> Intensity-SEETRAM PROD. TARGET TS1ET5HS, TS1ET5VS; number: <i>39</i> element: <i>Be</i> thickness: <i>2.5 g/cm²</i>	
FRS/RATES period:	S0 SLITS <input type="checkbox"/> beam stop out TS2DS3HL (left): <i>2 g/cm²</i> SCI-01 Wedge used: TS2DS3HR (right): TS2DS3VO (top): TS2DS3VU (bottom): S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left): <i>10 sec</i> TS3DS2HR (right): <input type="checkbox"/> Thickness: <i>7 g/cm²</i> S2 SLITS <input type="checkbox"/> beam plug out TS4DS1HL (left): <i>-30</i> TS4DS1HR (right): <i>430</i> V0 (Wedge Oben): VU (Wedge Unten): S4 DEGRADER HFSED3... Thickness: <input type="checkbox"/> O (Wedge Oben): <input type="checkbox"/> U (Wedge Unten): TS4DS3HL (left): <i>-20</i> TS4DS3HR (right): <i>+20</i> S4 SLITS HFSDS3H (left): <i>*35</i> Pb Brick (top): Pb Brick (bottom):	
FRS/MAGNETS	MAGNETS Field values from Hall probes: TS3MU1: <i>90865</i> TS3MU2: <i>80226</i> TS4MU1: <i>69574</i> HFSMU1: <i>66915</i> FRS-TRIGGER <input type="checkbox"/> SCI21 <input type="checkbox"/> SCI41 <input type="checkbox"/> Other: PRESPEC-RATES (Validated/Rejected) AGATA : <i>608/606</i> FRS : <i>65000/2500</i> Ta-ToF-LYCCA : <i>6466931</i> HECTOR : <i>64765</i> 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. (%) :	

Check list

Name: Le Huu Van

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 than 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 & 073 stopped

General

- lmd file nr: 305
- Beam intensity: 1000 000 at sc 2
- Scaler sc at S4: 4000k 520k
- Scaler sc at S2: 500k 4000k
- 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	27.03.2014
MBS/file location	File (first) File (last)	Start Stop	6:57
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 <input checked="" type="checkbox"/> Production run		
COMMENTS:	G.R.A.B.; M.C. <i>G. R. A. B. ; M. C.</i>		
FRS/BEAMLINE elements	S1 DEGRADER TS3ED2... Thickness: <i>2 g/cm²</i>	S0 SLITS beam stop out TS2DS3HL (left): TS2DS3HR (right): Field values from Hall probes: TS3MU1: <i>g055</i>	MAGNETS PreSPEC-Trig/red. <input 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 type="checkbox"/> p+HEC+Lyc(8) / <input checked="" type="checkbox"/> p+Agata+Lyc(9) / <input type="checkbox"/> Part-SC41(10) / <input type="checkbox"/> Spill-on(12) / <input type="checkbox"/> Spill-off(13) /
	S1-degrader S2-degrader SCI-21 S4-degrader LYCCA-Start LYCCA-TaStart TA1 TadSSD	O2 (Wedge Oben): TS2DS3VO (top): TS2DS3VU (bottom): S1 SLITS beam plug out TS3DS2HL (left): TS3DS2HR (right): S2 SLITS beam plug out TS4DS1HL (left): TS4DS1HR (right): S2 DEGRADER TS3ED7... Thickness: <i>5 g/cm²</i>	TS3MU2: <i>84224</i>
SPILL	period: <i>12 s</i>	V1 (Wedge Unten): L (Ladder): D (Disk): VO (Wedge Oben): VU (Wedge Unten): S4 DEGRADER HFSED3... Intensity-SEETRAM	TS4MU1: <i>64574</i>
FRS setting No.	<i>5426-21</i>	TS4DS1VO (left): <i>-30</i>	10 kHz : <i>96.864</i>
PRIMARY BEAM	Element: <i>Be</i>	TS4DS1HR (left): <i>+30</i>	10 kHz veto dT : <i>69391</i>
SIS energy [MeV/u]	<i>700</i>	TS4DS1VU (right): <i>+20</i>	SC21L: <i>g23 kst7</i>
PROD. TARGET	TS1ET5HS, TS1ET5VS; number: <i>35</i>	TS4DS3HL (left): <i>-20</i>	SC21R: <i>922 kst4</i>
Intensity:	U (Wedge Unten): <i>—</i>	TS4DS3HR (right): <i>+20</i>	SC41L: <i>420 eff</i>
thickness:	U (Wedge Oben): <i>—</i>	HFSDS3H (left): <i>-35</i>	SC41R: <i>165 kst7</i>
element:	Be	Pb Brick (top): <i>—</i>	TA1 Element : <i>Be / Au</i>
thickness:	<i>215 g/cm²</i>	Pb Brick (bottom): <i>—</i>	LN2 Thickness : <i>210 g/cm²</i>
COMMENTS:	shift-in-charge		
FRS-RATES	(counts/spill)	FRS-RATES (counts/spill)	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 : <i>1:37</i>
period: <i>12 s</i>	10 kHz : <i>96.864</i>	10 kHz veto dT : <i>69391</i>	Tank1 Vol. (%): <i>95 g₀</i>
thickness: <i>215 g/cm²</i>	S2 SLITS beam plug out TS4DS1HL (left): <i>-30</i>	SC21R: <i>922 kst4</i>	Tank2 Vol. (%): <i>85 g₀</i>

Check list

Name: Mario Cappelletto

Time: 6:47 24.3.2014

Agata

- Run number: 44
- Agata requested: 2496
- Agata 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: 008 and 0945 stopped

General

- lmd file nr: 0934
- Beam intensity: 1000000 at 52
- Scaler sc at S4: 450000
- 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. MBS/file location

Primary Beam:

File (first)	File (last)	- 0942.0nd
File (first)	File (last)	- 44
Merged(Narval+MBS)/file location		
File (first)	File (last)	

PURPOSE OF MEASUREMENT: (Centered Isotope) 85Sr

COMMENTS:

 Calibration run Production runshift-in-charge 6. K. A. B. M. C.

FRS/BEAMLINE elements	S1 DEGRADER TS3ED2... Thickness: <u>2 g/cm²</u>	S0 SLITS beam stop out TS2DSSH (left): TS2DS3HR (right): Wedge used: O2 (Wedge Oben): O2 (Wedge Unten): V1 (Wedge Unten): S1 SLITS beam plug out TS3DS2HL (left): <u>- 20</u> TS3DS2HR (right): <u>- 20</u>	MAGNETS Field values from Hall probes: TS3MU1: <u>90865</u> TS3MU2: <u>84924</u> TS4MU1: <u>64574</u> HFSMU1: <u>64525</u>	PreSPEC-Trig/red. <input 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 type="checkbox"/> p+HEC+Lyc(8) /..... <input checked="" type="checkbox"/> p+Agata+Lyc(9) /..... <input type="checkbox"/> Part-SC4(10) /..... <input type="checkbox"/> Spill-on(12) /..... <input type="checkbox"/> Spill-off(13) /.....
SPILL	spill length: <u>10s</u>	S2 DEGRADER TS3ED7... Thickness: <u>2 g/cm²</u>	S2 SLITS beam plug out TS4DS1HL (left): <u>- 20</u> TS4DS1HR (right): <u>+ 20</u>	FRS-TRIGGER <input type="checkbox"/> SC 21 <input type="checkbox"/> SC 41 <input type="checkbox"/> Other:
FRS setting No.	period: <u>12s</u>	D (Disk): <u>10 kHz</u>	FRS-RATES (counts/spill) 10 kHz : 10 kHz veto dT :	PreSPEC-Rates (Validated/Rejected) AGATA : <u>FRS</u>
PRIMARY BEAM	Element: <u>86 Kr</u>	V0 (Wedge Oben): VU (Wedge Unten): SIS energy [MeV/u]: <u>200</u>	SC21L: <u>899 v10</u> SC21R: <u>898 v10</u> S3 SLITS TS4DS3HL (left): <u>- 20</u> TS4DS3HR (right): <u>+ 20</u>	Ta-Tof-LYCCA : <u>FRS</u> HECTOR : <u>FRS</u>
Intensity-SEETRAM	HFSED3... Thickness:	S4 DEGRADER TS1ET5HS, TS1ET5VS: number: <u>36</u>	SC41L: <u>852 v12</u> SC41R: <u>442 v12</u> S4 SLITS HFSDS3H (left): <u>- 35</u> HFSDS3H (right): <u>+ 35</u>	LYCCA / PIs. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog LN2 Element: <u>He</u>
PROD.TARGET	O (Wedge Oben): U (Wedge Unten): thickness:	Pb Brick (top): Pb Brick (bottom): Position: <u>20 cm</u>	Thickness : <u>20 cm</u> Tank1 Vol. (%) : <u>11%</u> Tank2 Vol. (%) : <u>11%</u>	
				LN2 Last Filling : Tank1 Vol. (%) : Tank2 Vol. (%) :

Check list

Name: Mario Capelli Q320

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: OOB and OAB → trigger problem

General

- lmd file nr: 0944
- Beam intensity: 932 000 (at S2)
- Scaler sc at S4: 4,300,000
- Scaler sc at S2: 8,400,000
- Check in Go4 all the spectra of the list* :
- Check in Go4 the hit pattern of the Wall ✓
- Check in Go4 the triggers: 1,3,8,9,10

Comments:

Exp No.	Primary Beam:	Date	27.03.2014	Comment	Joint run
MBS/file location	File (first)	Start	10:19		
Narval/file location	File (first)	Stop			
Merged(Narval+MBS)/file location	File (last)	Start			
PURPOSE OF MEASUREMENT: (Centered Isotope)	Isotop	Calibration run	<input checked="" type="checkbox"/>	Production run	
COMMENTS:	Shift-in-charge				
FRS/BEAMLINE elements	S1 DEGRADER TS3ED2...	SO SLITS	MAGNETS	PreSPEC-Trig/red.	
<input type="checkbox"/> SEEETRAM	Thickness: <i>29 cm</i>	<input type="checkbox"/> beam stop out	Field values from Hall probes:	<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 type="checkbox"/> p+HEC+LyC(8) /..... <input type="checkbox"/> p+Agata+LyC(9) /..... <input type="checkbox"/> Part-SC4(10) /..... <input type="checkbox"/> Spill-on(12) /..... <input type="checkbox"/> Spill-off(13) /.....	
<input type="checkbox"/> SCI-01	Wedge used:	TS2DS3HL (left): <i>TS3MU1: 90875</i>	TS3MU2: <i>84224</i>		
<input type="checkbox"/> FRS-TAO	O2 (Wedge Oben):	TS2DS3HR (right): <i>+10</i>	TS4MU1: <i>64584</i>		
<input type="checkbox"/> S1-degrader	V1 (Wedge Unten):	TS2DS3VO (top): <i>-10</i>	HFSMU1: <i>64525</i>		
<input type="checkbox"/> S2-degrader	S1 SLITS	TS2DS3VU (bottom): <i>+10</i>			
<input type="checkbox"/> SCI-21	<input type="checkbox"/> beam plug out				
<input type="checkbox"/> S4-degrader	TS3DS2HL (left): <i>-10</i>				
<input type="checkbox"/> LYCCA-Start	S2 DEGRADER TS3ED7...	TS3DS2HR (right): <i>+10</i>	FRS-RATES (counts/spill)	FRS-TRIGGER SCI21 SCI41 Other:	
<input type="checkbox"/> LYCCA-TaStart	L (Ladder): <i>52 cm</i>	TS4DS11R (right): <i>+30</i>	10 kHz : 10 kHz veto dT :	PreSPEC-Rates (Validated/Rejected)	
<input type="checkbox"/> TA1	D (Disk):	TS4DS11L (left): <i>-20</i>	AGATA :		
<input type="checkbox"/> TaDSSD	V0 (Wedge Oben):	TS4DS1VO (left): <i>+30</i>	FRS :		
SPILL	VU (Wedge Unten):	TS4DS1VU (right): <i>+20</i>	Ta-ToF-LYCCA :		
spill length: <i>10 s</i>	S2 SLITS	SC21L: <i>867 n</i>	HECTOR :		
period: <i>12 s</i>	<input type="checkbox"/> beam plug out	SC21R: <i>867 n</i>			
FRS setting No.	TS4DS1VO (left): <i>-20</i>	SC41L: <i>434 n</i>	LYCCA / PIs. Check		
PRIMARY BEAM	TS4DS1VU (right): <i>+20</i>	SC41R: <i>424 n</i>	<input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog		
Element: <i>Ar</i>	TS4DS3HL (left): <i>-20</i>	TA1 Element: <i>Ar</i>	LN2		
SIS energy [MeV/u]: <i>200</i>	TS4DS3HR (right): <i>+20</i>		LN2 Last Filling :		
Intensity-SEETRAM	O (Wedge Oben):	HFSDS3H (left): <i>-35</i>	Tank1 Vol. (%) :		
PROD. TARGET	U (Wedge Unten):	HFSDS3H (right): <i>+35</i>	Tank2 Vol. (%) :		
TS1ET5HS, TS1ET5VS: number: <i>35</i>		Pb Brick (top):	Tank1 Vol. (%):		
element: <i>Be</i>		Pb Brick (bottom):	Tank2 Vol. (%):		
thickness: <i>2.5 g/cm²</i>					

Check list

AB.

Name:

Time: 10:20 // 24.03.2014

Agata

44

- Run number: 2815
- Agava requested: 25m
- Agava validated:
- 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: $\theta\theta_B$, $\theta\bar{\theta}B$ stopped

General

- lnd file nr: 0973; ~~and~~ → 0973
- Beam intensity:
- 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 /krising01/marAg_14/dbs	File (first) <input checked="" type="checkbox"/> Br - con - chit - Ag45 - File (last) <input type="checkbox"/> Ag45	Start <input checked="" type="checkbox"/> 11:30 Stop <input type="checkbox"/> 11:50		
Narval/file location /krising01/marAg_14/s	File (first) <input type="checkbox"/> File (last) <input type="checkbox"/>	Start <input type="checkbox"/> Stop <input type="checkbox"/>		
Merged(Narval+MBS)/file location	File (first) <input type="checkbox"/> File (last) <input type="checkbox"/>	Start <input type="checkbox"/> Stop <input type="checkbox"/>		
PURPOSE OF MEASUREMENT: (Centered Isotope) Take out the 2nd target for tomography	<input checked="" type="checkbox"/> Calibration run <i>Will be in time of flight</i>	<input type="checkbox"/> Production run		
COMMENTS:	Shift-in-charge			
FRS/BEAMLINE	S1 DEGRADER TS3ED2... Thickness: Wedge used: O2 (Wedge Oben): V1 (Wedge Unten): S1 SLITS beam plug out TS3DS2HL (left): TS3DS2HR (right): S2 DEGRADER TS3ED7... Thickness: L (Ladder): D (Disk): V/O (Wedge Oben): V/U (Wedge Unten): S4 DEGRADER HFSED3... Thickness: Intensity-SEEETRAM		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 O (Wedge Oben): U (Wedge Unten): PROD. TARGET TS1ET5HS, TS1ET5VS: number: element: thickness:	MAGNETS Field values from Hall probes: TS3MU1: TS3MU2: TS4MU1: HFSMU1: FRS-TRIGGER SCI21 SCI41 Other: FRS-RATES (counts/spill) 10 kHz : 10 kHz veto dT : SC21L: SC21R: SC41L: SC41R: PreSPEC-Rates (Validated/Rejected) AGATA : FRS : Ta-Tof-LYCCA : HECTOR : LYCCA / PIs. check Run-sheet filled Run-sheet uploaded on elog LN2 : Thickness : Pb Brick (top): Pb Brick (bottom): Position: Tank2 Vol. (%): Tank2 Vol. (%):
			<input checked="" type="checkbox"/> <i>Will be in time of flight</i>	

Exp No.	Primary Beam:	Date			
MBS/file location /k/vtina_02/mar_16 - Mbs	File (first) File (last)	File (first) & Br - empty target File (last) D985.lnd	Start 11:54 Stop 11:21		
Narval/file location Mbs_0045	File (first) File (last)		Start Stop		
Merged(Narval+MBS)/file location	File (first) File (last)		Start Stop		
PURPOSE OF MEASUREMENT: (Centered Isotope)	<input checked="" type="checkbox"/> Calibration run <input type="checkbox"/> Production run				
COMMENTS: both targets were moved out	Shift-in-charge				
FRS/BEAMLINE elements	S1 DEGRADER TS3ED2...	S0 SLITS <input type="checkbox"/> beam stop out TS2DS3HL (left); Thickness:	MAGNETS Field values from Hall probes: TS3MU1: 0.90855	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 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)/.....	
	O2 (Wedge Oben); V1 (Wedge Unten); Ta1 TaDSSD	TS2DS3VO (top); TS2DS3VU (bottom); S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left); Thickness:	TS3MU2: 0.84224	FRS-TRIGGER <input type="checkbox"/> SCI21 <input checked="" type="checkbox"/> SCI41 <input type="checkbox"/> Other:	
	SPILL spill length: 145	TS3ED7... Thickness: period: 10 s	TS3DS2HR (right); Thickness: L (Ladder); D (Disk); VO (Wedge Oben); VU (Wedge Unten); SiS energy [MeV/u] 100	FRS-RATES (counts/spill) 10 kHz : 157000 10 kHz veto dT : 137000 SC21L: 760 k SC21R: 760 k S2 SLITS <input type="checkbox"/> beam plug out TS4DS1HL (left); Thickness: TS4DS1HR (right); TS4DS1VO (left); TS4DS1VU (right); S3 DEGRADER HFSED3... Thickness: O (Wedge Oben); U (Wedge Unten); Intensity-SEEETRAM	PreSPEC-Rates (Validated/Rejected) AGATA : FRS : Ta-ToF-LYCCA : HECTOR : SC41L: 400 k TS4DS3HL (left); Thickness: S4 SLITS HFSDS3HR (right); HFSDS3H (left); HFSDS3H (right); Pb Brick (top); Pb Brick (bottom);
	PROD. TARGET TS1ET5HS, TS1ET5VS; number: 35	Element: Be thickness: 2.5 g	SC41R: 400 k TA1 Element : Thickness: Position: LN2 Last Filling : Or : 40 Tank1 Vol. (%): 85 % LN2 Tank2 Vol. (%): 79 %		

Check list

Name: Agata Cappelli

Time: 11:34

Agata

- Run number: 45
- Agava requested: M1
- 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 than 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: OOB and OTB

General

- lmd file nr: 0484
- Beam intensity: 497442 (at 52)
- Scaler sc at S4: 3300 000
- Scaler sc at S2: 4566 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 (Agata check)

Time: 11.11.14 24.3.14

Agata

- * Run number: 45 (empty trigger)
- * 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: D0B and C7B

General

- * lmd file nr: 0985
- * Beam intensity: 307 743 (at 52)
- * Scaler sc at S4: 46000
- * Scaler sc at S2: 34000
- * Check in Go4 all the spectra of the list* :
- * Check in Go4 the hit pattern of the Wall
- * Check in Go4 the triggers: 1, 2, 3, 10, 12

Comments:

Exp No.	Primary Beam:	Date	24.3.2019	
MBS/file location	File (first) / 86Kr min - File (last) mat - 0912	Start	11:10 PM	
Narval/file location	File (first) 86Kr - min - mat - File (last) 40KmB 0917	Stop	10:15 PM	
Merged(Narval+MBS)/file location	File (first) File (last)	Start	Stop	
PURPOSE OF MEASUREMENT: (Centered Isotope)	<input checked="" type="checkbox"/> Calibration run <input type="checkbox"/> Production run			
COMMENTS:	shift-in-charge <i>X</i>			
FRS/BEAMLINE elements	S1 DEGRADER TS3ED2... Thickness: <input checked="" type="checkbox"/> SEEETRAM <input type="checkbox"/> SCI-01 <input type="checkbox"/> FRS-TA0 <input type="checkbox"/> S1-degrader <input type="checkbox"/> S2-degrader <input checked="" type="checkbox"/> SCI-21 <input type="checkbox"/> S4-degrader <input type="checkbox"/> LYCCA-Start <input type="checkbox"/> LYCCA-TaStart <input checked="" type="checkbox"/> TA1 <input checked="" type="checkbox"/> TaDSSD	S0 SLITS <input type="checkbox"/> beam stop out TS2DS3HL (left): Wedge used: O2 (Wedge Oben): V1 (Wedge Unten): S1 SLITS <input type="checkbox"/> beam plug out TS3DS2HL (left): - 25 S2 SLITS <input type="checkbox"/> beam plug out TS3DS2HR (right): 25 S2 SLITS <input type="checkbox"/> beam plug out TS4DS1HL (left): L (Ladder): D (Disk): FRO setting No. PRIMARY BEAM Element: SIS energy [MeV/u] Intensity-SEETRAM PROD. TARGET TS1ET5HS, TS1ET5VS: number: element: thickness:	MAGNETS Field values from Hall probes: TS3MU1: 0.96135 TS3MU2: 0.94934 TS4MU1: 0.91994 HFMSU1: 0.91955 FRS-RATES (counts/spill) 10 kHz : 10 kHz veto dT : SC21L: 7006 SC21R: 7100 SC41L: 6000 SC41R: 6300 S4 SLITS TS4DS3HL (left): - 22 TS4DS3HR (right): - 35 O (Wedge Oben): U (Wedge Unten): Pb Brick (top): Pb Brick (bottom):	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 type="checkbox"/> p+HEC+LyC(8) /..... <input 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 / PIs. check <input type="checkbox"/> Run-sheet filled <input type="checkbox"/> Run-sheet uploaded on elog LN2 : LN2 Last Filling: 19:50 Tank1 Vol. (%): 65 Tank2 Vol. (%): 62

*retting with beam
defocused to check finger
thresholds.*