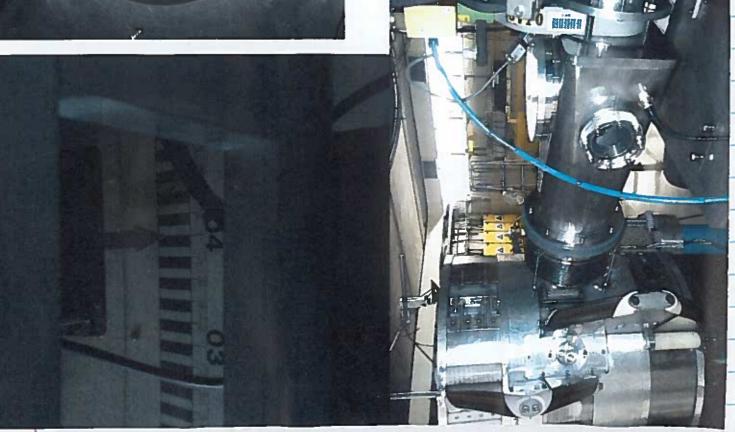
K600 (a) [L0]
Small angle made.







Date	17	April	2015	
Weekend #		4		

Targets	#	Material	Thickness	Thickness measurement method
	1	Emply		
	2	Viewer		
	3	24Mg	~ 0.23 chg	**
	4	N:	0.7 mg cri²	
	5	Pb	~1 mgcm-L	
	6	Zr	Og menis	
	per	Target pendicular beam [°]		-118
	per	Target pendicular camera [°]		-138

Additional Notes:

1600 (4) 4°

Beam	Energy [MeV]		
	Pulse selection (yes/no)		
	Injector (SPC1 or SPC2)		
	SSC Transmission	FC 19J	
	67	FC 1X	
		FC 11X	
		FC 4P	
		FC 4S	
	[FC Target	

Additional Notes:

not needed

Scattering chamber beamstop	In beam position	
	Out of beam position	

Additional Notes:

Some detector sotrop as day well -3

Energie_NMR.txt ** EnMet Ver5.7 Oct 2013 **

** BEREKENDE ENERGIE **** CALCULATED ENERGY **

2015/04/17

Versnelde deeltjie Element Atoomgetal Accelerated particle:

= He = 2 Atoomgetal = Atomic Number = 2

Massagetal = Mass Number = 4

Rel. Atoommassa = Rel. Atomic Mass = 4.0026

Natuurlike voorkoms = Natural Abundance = 100 %

Ladingsgetal Q = Charge State Q = 2

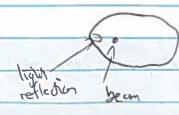
1 Tesla = 42.5759 MHz [Linear Relation]

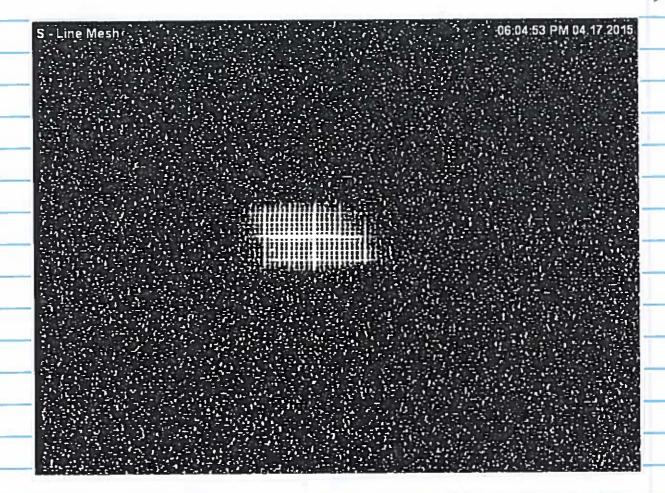
BEAM ENERGY FROM NMR-READING/S (frequency) :

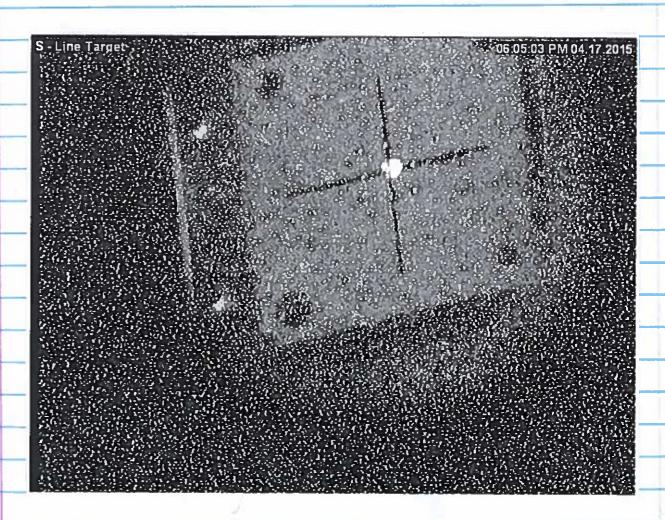
BEAM ENERGY FROM NMR-READING/S (field):

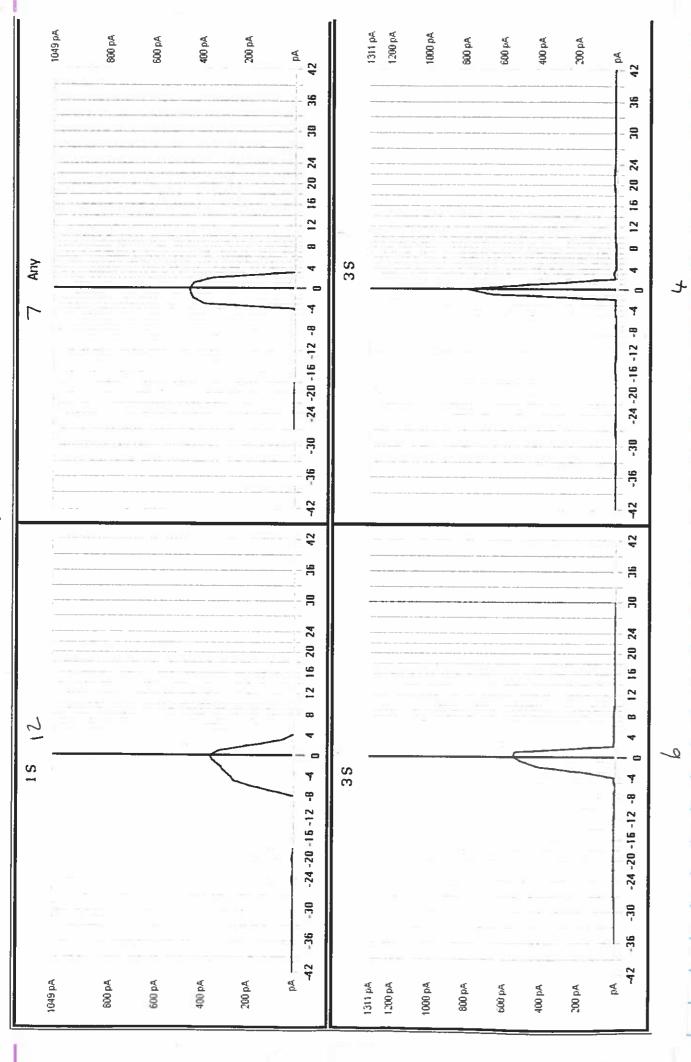
B3P Beam Energy = 196.03 MeV from NMR = 1.02128 Tesla

S - Line Beamstop Viewer 06:14:20 PM 04.17.2015

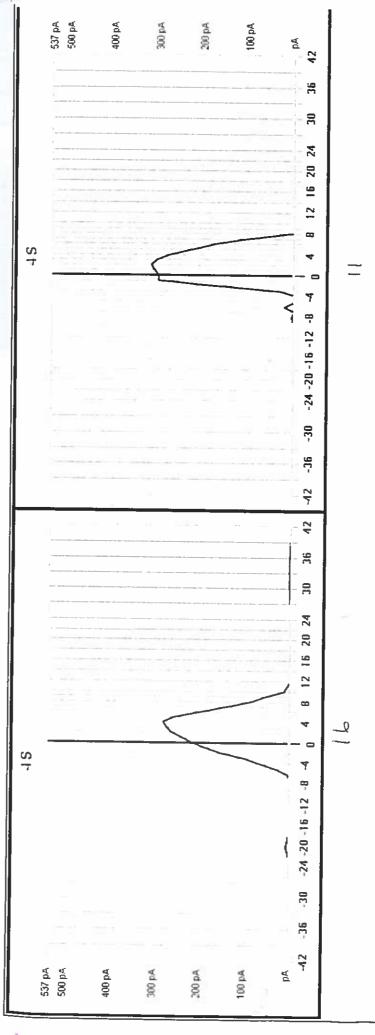












X 4,87 Thursd

1,79 TI m made

5

book. System check. No Jean. Khou fields (set field made) QQ -454.175 The problem is, for reference, that the ODC channel O is putting nost events in the 'o' bin. The signals look five. Unsure if it's the ODC readout or something P| 412.8 H -2.833 02 271.008 2.833 Les The crote was fower-cycled and now we can see pulser signals in the ODC channels. Run 4000 Only paddles are on See a sing note a InA. Go in to see why When for som was put back (4005), got nothers in the ODCs. Lo discured , ADC veto still in the general ide. Ren 4001 Halo check (switch a UX dury run) Ron 4006 -> Electris mode. Nothing. Date
- 3-5+12 @ InA
Going to have another book. Monn too good to be true? Ruse soll un (au Pal Ihip 1300) Value SVIO was not apperend. This was our problem. Change to 1400 change to 1500. QDC Row Cho Still late ananymay Kow Field back to DI = 428 A Emply toget. ON faw out locks jood Went in again. Small improvements on Liver En firsts Run 4007 Emp torget 14nA 8 HZ Replaced 1emo corrector [borred of Pallhi P signal carde Pr 4003 24My Stopped. FE crosh.

	Run 4019. 0: 0.51 mm
	0265 -> 36.6 A
	Rm 4020. 0: 0.51mm
	065 -> 36.7 A
	I Aver Par Charles Are Monte a Series
	Q6S = 36.7A Seems to have been
	our best so for.
	Fout been true: 0.68 mm
	0.51mm
	(Not fit been, of muse)
Treft	COSS now -55.4 A SI
	(25S -> -55.5A.
	41.35 : 280
	Pm 4022 0:0.53mm.
	1 3 2 P
	055-> -55.3A.
0	Run 4033. 0:0.52mm
	Q55-> -55.4A.
	Changing 21P: 29. 25 A 4024 29.35 A -> 0 = 0,48
	4024 1 29.35 A -> 0 = 0,48
	4025 $a9.45A \rightarrow 6^{2} = 0.47$
	En 4015 5: 0.59mm Wall Satter
	4026 29.55A ->0 = 0.46 -> 36 KEV FWHM
	I Per Work or a com
	Moving 1 2 back to 412.8 45-82 200
	White Die Tiell mill
	AF,35 = 200
	- Pm 1218 010.56 Mm
	The second secon

- · h 0 27	Hdo	K600 angle: 4 o	leg K600 field:	
Run #: 40 27			Q: -LNSt. 175 A VDC efficiency	
Start: 22:11	Current:nA	Trigger rate: 8 Hz	1.12. 60-0-0	
Stop: 22:17	CI Range: 6~	Data rate: 3 kB/s	400000000000000000000000000000000000000	
Target: WT#1	Collimator: 40 mode	Trigger evts:	H: -2.835 A UI	
Target angle : - (18		Scaler evis:	260 -22	
- ranget angle :		Scaler evis;	K: 2-833 A U2	
A STATE OF THE PARTY OF THE PAR			II TO THE RESERVE OF THE PERSON OF THE PERSO	ų.
711-	44.		wasa distri	
Trust continue	Mg	K600 angle: 4 de		
Run#: 4028	1		Q:A VDC efficiency	
Start: 22:17	Current:nA	Trigger rate: 40 Hz	D1: 4 A X1 93	_
Stop: 23: 06	_	Data rate: (5kB/s	H: M A U1 94	
Target: 24-Mg # 3	Collimator: 40	Trigger evts:	D2: E A X2 87	
Target angle : -118°		Scaler evts:	K:A U2 93	
				-
	1	1	1	
(cut rent	increased	to ~ 2	$\sim 2 \Lambda H$	
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Con't widow. Run comment: 58 / Run #: 4029	Current:nA	e listory:	K600 field:	
Con't widow. Run comment: 58 Run #: 4029 Start: 6	Current:nA To	e listory:	K600 field:A VDC efficiency	
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Con't Widow. Run comment: 58 Run #: 4029 Start: 6 Stop: 58 N; #4	Collimator: AO	K600 angle: 4 deg	K600 field:	
Con't widow. Run comment: 58 Run #: 4029 Start: 6	Collimator: AO	K600 angle: 4 deg	K600 field: Q: A VDC efficiency D1: A X1 H: A U1 D2: A X2	
Con't Widow. Run comment: 58 Run #: 4029 Start: 6 Stop: 58 N; #4	Collimator: AO	K600 angle: 4 deg	K600 field: Q: A VDC efficiency D1: A X1 H: A U1 D2: A X2	
Con't Window. Run comment: 58 Run #: 4029 Start: Stop: 180 Target 58 Ni # 4 Target angle: -1180	Current:	K600 angle: 4 deg	K600 field: Q: A VDC efficiency D1: A X1 H: A U1 D2: A X2	
Con't Window. Run comment: 58 Run #: 4029 Start: Stop: 180 Target 58 Ni # 4 Target angle: -1180	Current:	K600 angle: 4 deg	K600 field:	
Con't Widow. Run comment: 58 Run #: 4029 Start: 6 Stop: 58 N; #4	Current:	K600 angle: 4 deg	K600 field:	
Con't Window. Run comment: 58 Run #: 4029 Start: Stop: 180 Target 58 Ni # 4 Target angle: -1180	Current:	K600 angle: 4 deg	K600 field:	
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Con't Window. Run comment: 58 Run #: 4029 Start: Stop: 180 Target 58 Ni # 4 Target angle: -1180	Collimator: AO S	K600 angle: 4 deg	K600 field:	
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Con't Window. Run comment: 58 Run #: 4029 Start: Stop: 180 Target 58 Ni # 4 Target angle: -1180	Collimator: AO S	K600 angle: 4 deg	K600 field:	
Con't widow. Run comment: 58 p Run #: 4029 Start: Stop: 7 Target: 58 Ni # 4 Target angle: -1180 Run #: 4029 Target - 1180	Collimator: AO S	K600 angle: 4 deg K600 angle: 4 deg K8/s K8/s	K600 field: Q: S	
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Con't widow. Run comment: 58 p Run #: 4029 Start: Stop: 7 Target: 58 Ni # 4 Target angle: -1180 Run #: 4029 Target - 1180	Collimator: AO S	K600 angle: 4 deg	K600 field: Q: S	

