

12:10 We want to take the ground state ryns now. Change the magnet field to the values below 01 = 425 02 and set the fields with Superknot Energy settings @ 211.5 MeV Alpha beam. D1 = 425.020, H = -2.917 12 = 279.031, K= 2.917 12 =-467,62, Reduced the current to 1nA, => CI Range = 6nA Limits Lower = 0-6 nA higher = 2.0 nA Run 4084 208Pb, ground State at & boomm fp. the Event rates was high, now reduce the beams current to 0.5 nA tour Ryn 4085. Hartal 2h21 Run 4085 24 Mg ground State. @ 003 nA we have 21050 Hz, Run comment: 24 Mg ground State K600 angle: 4 deg K600 field:

Run #: 4085 Q: 417-62 A VDC efficiency
 Start:
 2 1 2 1
 Current:
 0 1 5
 nA
 Trigger rate:
 Hz

 Stop:
 2 1 5 9
 CI Range:
 Data rate:
 kB/s
 D1: 4+25-02A X1 H: -2-9/ A U1 Target: 24 Mg Collimator: Trigger evts: 3-132M D2: 279, 03/A X2 Target angle : 118 K: 2-917 A U2 Frontenet crashed at 2 3.0 M extents during run 4085. Current timets Set to 0-0-0-5 nA with high event rate-Run comment: 58Nr ground State K600 angle: 4 deg K600 field: Q:-467-62A VDC efficiency Start: 13:08 Current: 0.2 nA Trigger rate: 3142 Hz D1: 425-02A X191,2 H: -2.917A U1976 Stop: 3: 26 CI Range: 6nA Data rate: 1'4M kB/s D2: 279-031A X2 88-8 Target: 58NL Collimator: Trigger evts: 1-819M K: 2-917 A U287.3 Target angle: -118 Scaler evts: 1097

Run comment: 902 grand State K600 angle: 4 deg K600 field:

Run #: 4087

Start: 3128 Current: 0 nA Trigger rate: 3810 Hz D1: 415-02A X190: 44

Stop: 13742 C1 Range: 6 nA Data rate: 1668 Mals H: 2-917 A U1 93-6

Target: 902 Collimator: Trigger evis: 3.034M D2: 279-031A X2 87-8

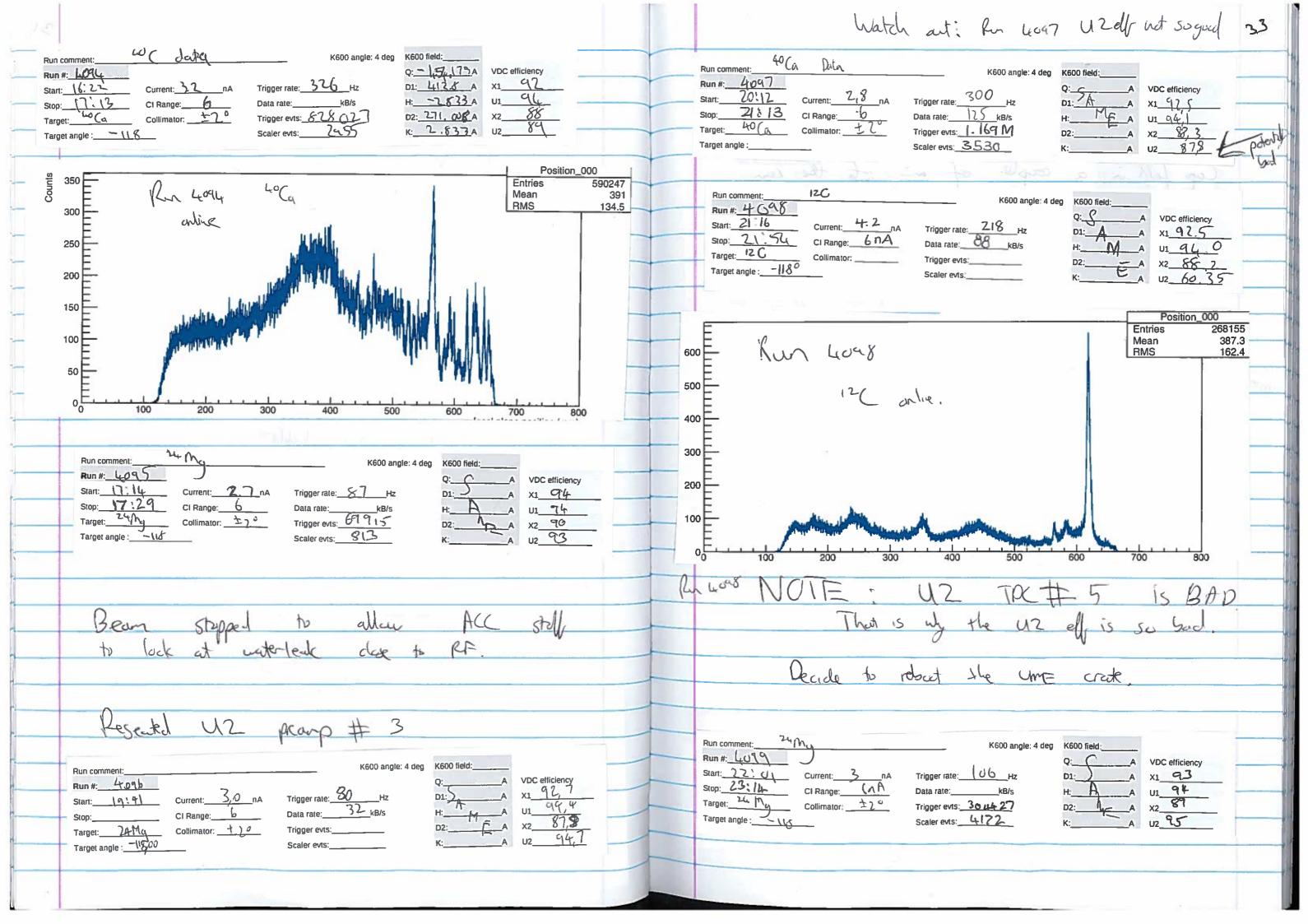
Target angle: 118 Scaler evis: 838 K: 2-917 A U2 85-8

Run 4088 - 4090 - Front end Crashed - Need to revive it.

Sudy 14:00

Changed target ladder.

0 B ... 0



K600 angle: 4 deg K600 field:	
Run #: 6100 Start: 23:15 Current: 2-2 nA Trigger rate: 220 Hz Q:	03:52: Beam yore / dio 2 Beam back
Stop: CI Range: Data rate:	Torget ledder retired on error moving from 6 to
Target angle : Scaler evis: K: A U2	
	Run comment: K600 angle: 4 deg K600 field: Q: S A VDC efficiency
Cap fell in a couple of mi into the run.	Start: 04:03 Current: 3.5 nA Trigger rate: 13 Hz D1: A X1 0
Cap fer in a soft	Stop: 04-13 CI Range: 60A Data rate: 5 kB/s H: V) A U1 6
K600 angle: 4 deg K600 field:	Target: TT Collimator: Land Trigger evts: D2: A X2
Run comment:	Target angle :1(8 Scaler evts: K: A U2 C
Run #: 4101 Start: 23:56 Current: 2-8 nA Trigger rate: 290 Hz D1: 4 x1 42.3	
Data rate: Data	Run comment: 24,74 Data K600 angle: 4 deg K600 field:
Target Collimator: Collimator: Trigger evis: 1631	Run #: 410 7. Start: Ob: 15 Current: 3.5 nA Trigger rate: 120 Hz D1: 7 A X1 93
Target: Collimator: W Scaler evis: 3490 K: A U2 94.76	Start: 04:15 Current: 3.5 nA Trigger rate: 120 Hz D1: A X1 93 Stop: 04:16 CI Range: 6 1 A Data rate: 5 kB/s H: 0 A U1 94
	Stop: 04,146 CI Range: 6 1 A Data rate: 51 kB/s H: 17 A U1 94 Target: 14174 Collimator: 4 1204 Trigger evis: 186359 D2: E A X2 89
	Target angle :
Run comment: K600 angle: 4 deg K600 field:	
Run #: 4102	
Start: D0:54 Current: 2:5 nA Trigger rate: 15 Hz D1: A A X1	Run comment: K600 angle: 4 deg K600 fleld:
Stop: 01:04 CI Range: 6 A Data rate: 5 kB/s H: M A U1 Target: MT Collimator: 33 (4°mb) rigger evts: 10115 D2: E A X2	Run #: 41 08 Q: S A VDC efficiency
Target angle: 1977 Scaler evis: 962 K: A U2	Start: 04:48 Current: 3.4 nA Trigger rate: 295 Hz D1: A A X1 92
-1186	Stop: - 05: 48 CI Range: 6 nA Data rate: 12 k8/s H: M A U1 94 Target: 4° Ca Collimator: 12 node Trigger evts: 1.092 M D2: E A X2 27
	Target: 4° Ca Collimator: 21° mode Trigger evts: 1-092 M D2: E A X2 27 Target angle: -118 Scaler evts: 3509 K: A U2 95
2.4 M//	Target angle : -11 8 Scaler evts: 3509 K: A U2 95
Run comment: Calubration 24 Mg K600 angle: 4 deg K600 field: Q: S A VDC efficiency	
Run#: 7103 D1: A A X1 93.03	Last run stopped Q 5:48 AM
Start: 01 13 9 CI Range: 6 0 A Data rate: 45 kB/s H: M A U1 14-12	
Start: 01 18 6 Current: 57 1/4 Trigger tate: 75 kB/s H: M A U1 14.12 Stop: 01 13 9 CI Range: 6 h A Data rate: 45 kB/s H: M A U1 14.12 Target: 24 Mg Collimator: 43 (4°) Trigger evts: 1888 25 D2: E A X2 89.57 Scaler evts: 1888 K: A U2 93.88	Field values:
Target: 24 Mg Collimator: #3 (4') Trigger evis: 188521 Target angle:	Q: -454.175
	D1: 412.800
	H; -2.833
Run comment: K600 angle: 4 deg K600 field: K600 field:	
Run #: 4104 Q: S A VDC efficiency Start: 61:42 Current: 2.4 nA Trigger rate: 260 Hz D1: A A X1 93	D2: 271.008
Stop: CI Range: 6/14	K: 2.833
Target: Next Co. Collimator: L' Trigger evts: 1 · 2 / 8 M D2: E A X2 89 Target angle: -1 · 8 Scaler evts: 4268 K: A U2 95	.0001
Target angle :1\2 Scaler evis:4268 K:A U295	MX1 -295 (in vault)
	VDCL -2.94 (in rout)
Run comment: Nat Ca K600 angle: 4 deg K600 field:	Paul hi -1300 (44-500 all
Run #: 41 05 Q: 5 A VDC efficiency	110m -1350
Start: 0 2 1 5 6 Current: 3 - 1 nA Trigger rate: 287 Hz D1: A X1 92 Stop: 0 3 : 5 2 Cl Range: 6 1 1 7 Data rate: 1 1 7 kB/s H: m A U1 94	P. J. 2 hi -1200
Target: 4 Ca Collimator: 4 Trigger evts: D2: I A X2 88	
Target angle : - 118 Scaler evts: K: A U2 94	2/my - 1/4W
	Throballs: max all
	1 . 2 003 , Vay CA