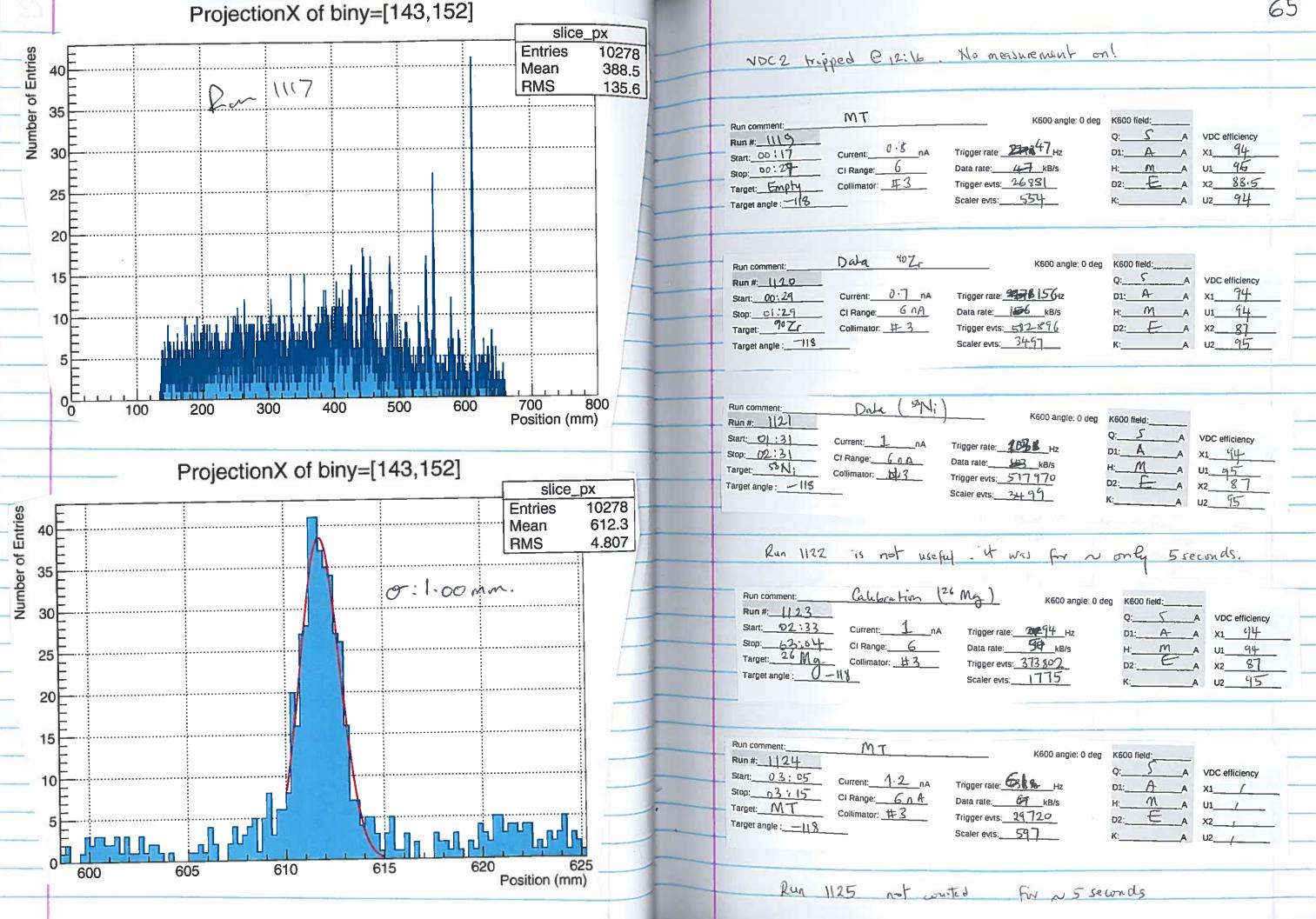
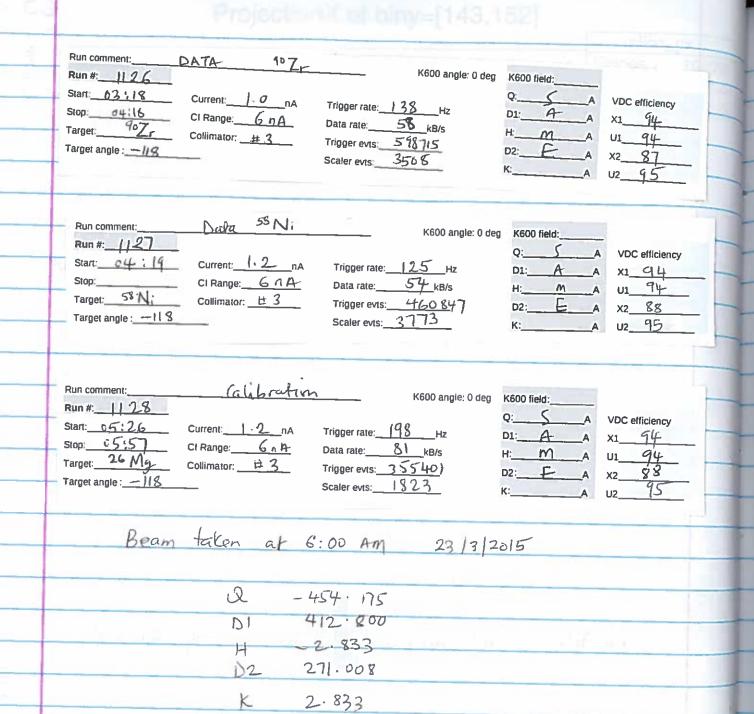
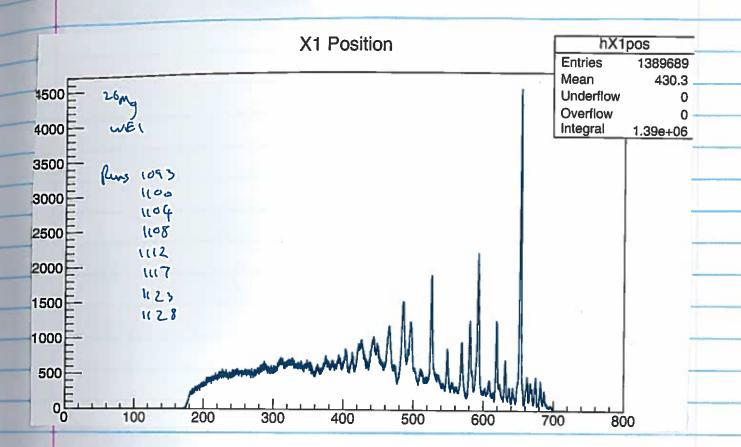


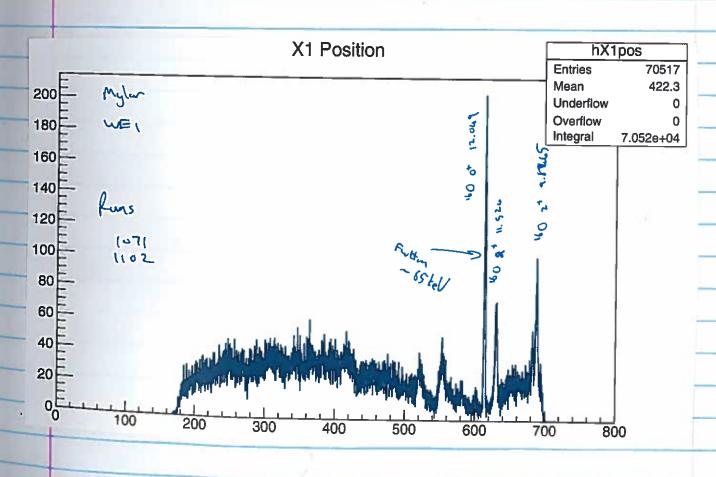
Run comment 26 Mm che k K600 angle: 0 deg K600 field: Run#: [117 Q: ____A VDC efficiency D1: ____A X1____ Start: 22 - 44 Current: | nA Trigger rate: 190 Hz Stop: 23 · 13 CI Range: 6 · Collimator: # 3

Target angle: -118 Data rate: SO KB/S H:____A U1___ Trigger evts:_____ D2:____A X2_ Scaler evts:__ Run comment: Data (35Ni) K600 angle: 0 deg K600 field: Run #: 1118 ____A VDC efficiency Start: 23-14 Current: 1 nA Trigger rate: 120 Hz
Stop: 00:14 Ct Range: 6.1 Data rate: 50 kB/s
Target: #5 58N; Collimator: #3 Trigger evts: 453 002 A U1 95.5 M = A X2 87.5 E A U2 95.0 Target angle: -118 Scaler evis: 3485 ThSCAT vs X1 ThSCATvsX1_1 Par 1117 Entries 173083 Mean x 386.2 Mean y -0.2398 RMS x 136.6 RMS y 1.083 Position (mm)

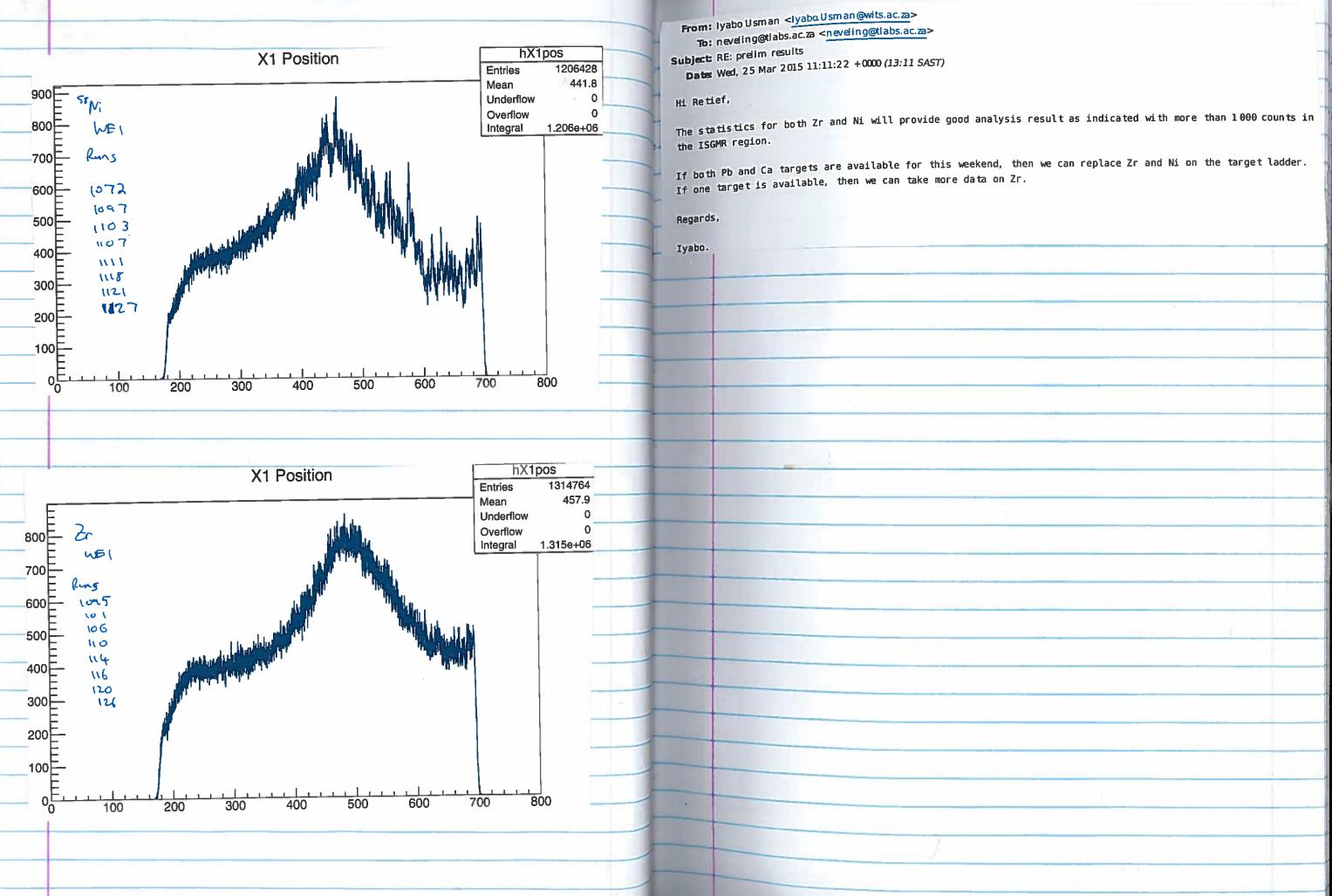














Targets of WEZ



Tagets of WEI taken out on 27/03

	127/03/2015
Date	2-1705700015
Weekend#	2

Targets	#	Material	Thickness	Thickness measurement method
Targets	1	EMPTY		
	2	VIEWER		
thing well	3	26 Mg	0.6 mg/cm	
than WEI	4	208 Pb		Atill to be determined
	5	40 Cd	~ 1mg/cm²	
	6	MYLAR	~ 1mg/cm²	0
		perpendicular to beam [°]	_118°	
		perpendicular to amera [°]	- 138	0

Additional Notes:

Beam	Energy [MeV]	200	
	Pulse selection (yes/no)	no	<u></u>
	Injector (SPC1 or SPC2)	SPC2	
	SSC Transmission	FC 19J	
		FC 1X	
		FC 11X	
	111	FC 4P	
		FC 4S	
		FC Target	300

Additional Notes:

	<u> </u>		
Scattering chamber beamstop	In beam position	2051	
	Out of beam position	2500	

Additional Notes:

	Detector Setup	Order of detectors	Detectors	Sketch
ľ	1	VDC 1	×	
			U	
		VDC 2	×	
			U	
	Ţ	Paddle 1	1/4" new	
		Paddle 2	1/2" New	
	Focal	Plane (HD or MD)		HD
	Kapton	window (HD or MI	D)	HD without angle (see p.9)

Additional Notes:

Collimator Carousel		In perspex	In beam
	1	490 11 mm	NOTHING
"Visit	2	63 Ø	PEPPER POT
	3	SOLID	49 Ø 17 mm
	4	42 Ø 8 MM Td	63 Ø
	5	NOTHING	SOLID
	6	PEPPERPOT	42\$ 8 MM Ta
		Configuration (not 0 deg/=0 deg)	= 0 deg-

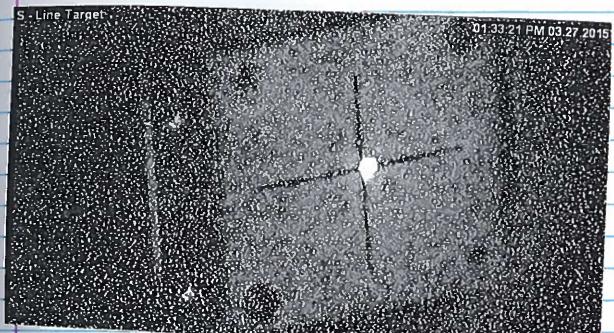
Additional Notes:

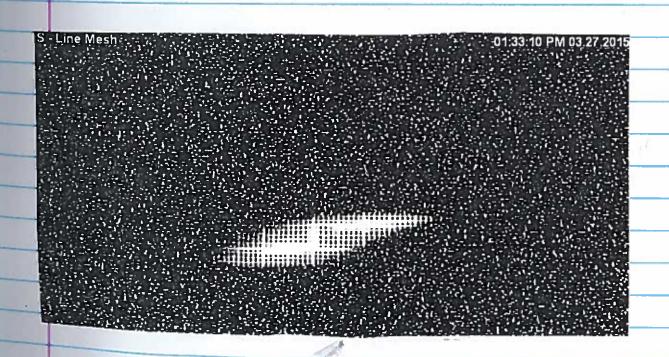
Spectrometer Parameters	Angle	+0.05°	
	Magnets settings	Q	-454.175
		D1	412.800
3		Н	-2.833
		D2	271.008
		K	2.833
	Superknob settings	Dipole 1	412.800
		D1/D2	1.5232
		D1/Q	-0.9089
		D1/K	145.612
		D1/H	- 145.6912
	SP Interlock control (En	able/ Disable)	IntEnabled

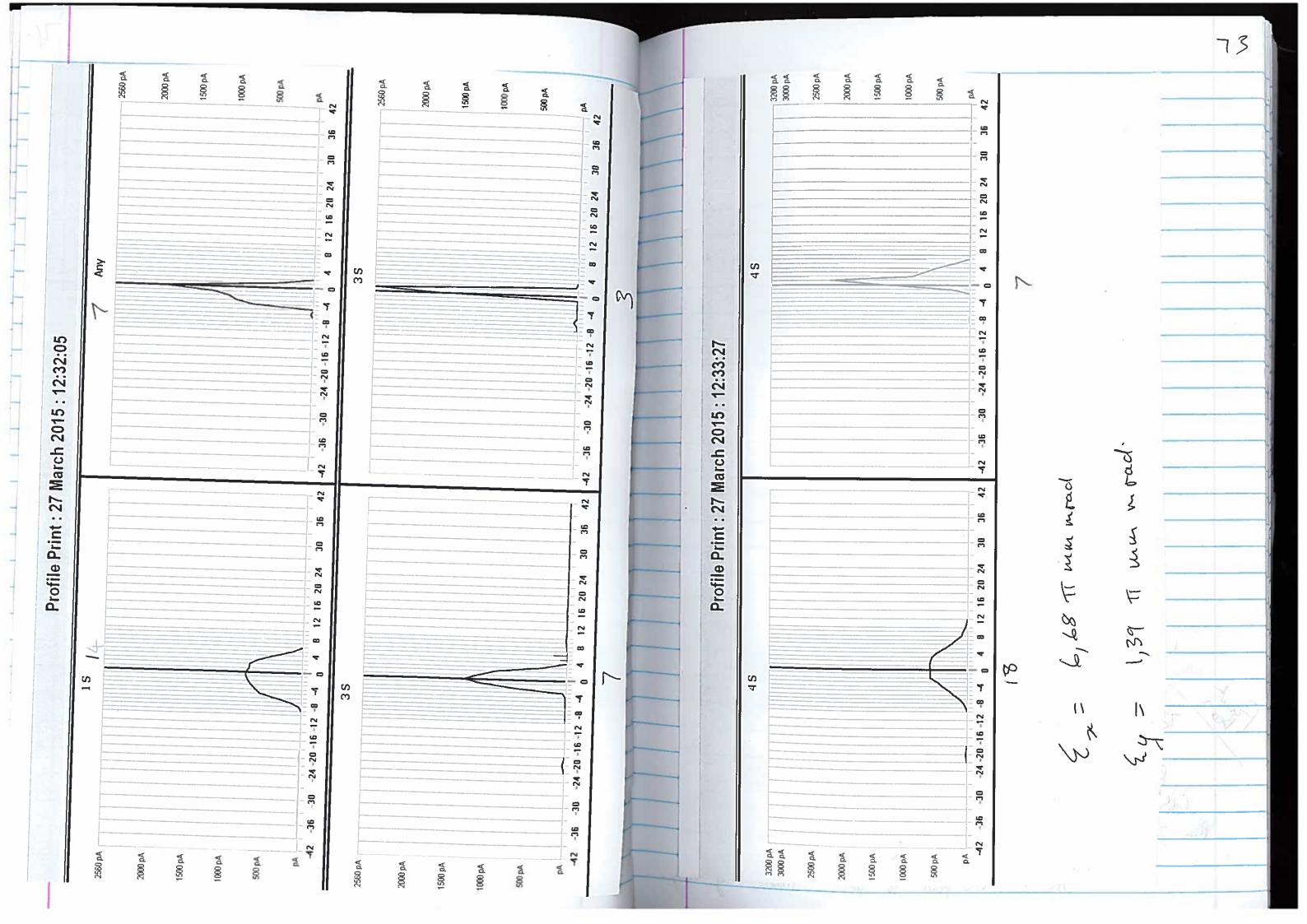
Additional Notes:

First been an target: ~ 13:30
Fridy 27 Mut 15

Committance was measured at 12:30, see next 2 pages.







Halo our 2001 vez good halo!

Now on to faint years. (urrest 01= 412.8

(hange to 437.24 as in play

TOF & E4370, 4750) for faintleen runs.

Par 2002, fait year, - 1200 Hz contrate (yb)=35. 0= 0.74 Ru 2013 (bb)= 0.36 0= JUMC

WC 2 HU fild to be "tured" by livy.

Run 2006	QGS = 36	J= 0,912	mm
2005	7 70	J= 0.65	
ما مادر ح	= 34.7	0=0.89.	
200	7 = 75.3	5=0. B4	7
2008	= 35,6	0=054	
2007	$\psi(s = 35.3)$		
	Q21 p= 28-9	0= 0,4	8
2010	φ211 = 28.3	0=0.47	•
2011	(121°= 28.0	U=0,46	
2017	= 28,7	v=0.46	
201	3 28.9	σ=0.48	3
201	4 29.7	2 0=0,49	
201	<u>'</u>	0=0.46	

Change 01 back to 412.8 A Looking at viewer. OSS -56.2 A Currently. OBS +35.3 A

Minimum of 56.6 A (055).

Gois for -56.7 A on OSS Coffe Some minor modifications on the steeress)

Look at effect of QGS on size.

Changing QGS is changing vertical width

but not vertical. Per QGS back to 35.3 A

the thickness.

Run 2027

Run 2029

Kn 2030

Run 2031

Run 2032

Run 2033

Kun 2028 1094

	S - Line	Target .	7.2				12:38:49 PN	03.27.2015
				N.				
ı				1				
								7.
ı						1		
ı								
ì								
THE STATE			,					
	W.							
Š			and and a					
STATE OF					7			
Section 1								
_								

Den: D1= 437.24 A FE crusted, needed restart de k600 vmes

hin 2017 US= 35.3 0= 0.66 Q65= 35.6 U= 0.5 2018 Q65 = 35.8 2019 - 30=0.465 20 20 Q65 = 36.0 5= 0.53 2021 0= 0.55 Q65 = 35,8 2022 U=0.47 Q219 = 28.6 2023 QZIP = 28.8 0=0.48 (251 = 58th 20.24 J=0.45 2025 4218 = 25.2 J=0.46

5-0,45 mm = 35 keV

Q211 = 28.4

2026

4 16:04 Back to hormal transmission mode.

(Normal beams)

P1 = 412.8



1600 Qued - 454. 175 foces mode

1000 (1 = -465,092 412.8 -0.927648

2% underfoces mode.



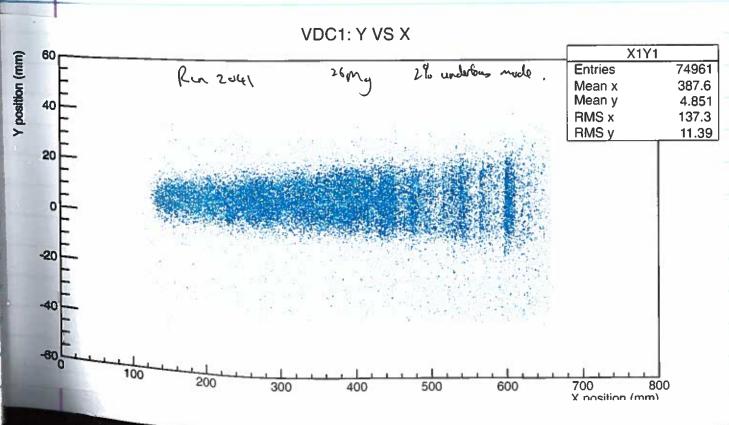
Kow Q = -472.342 L. l. we foco.

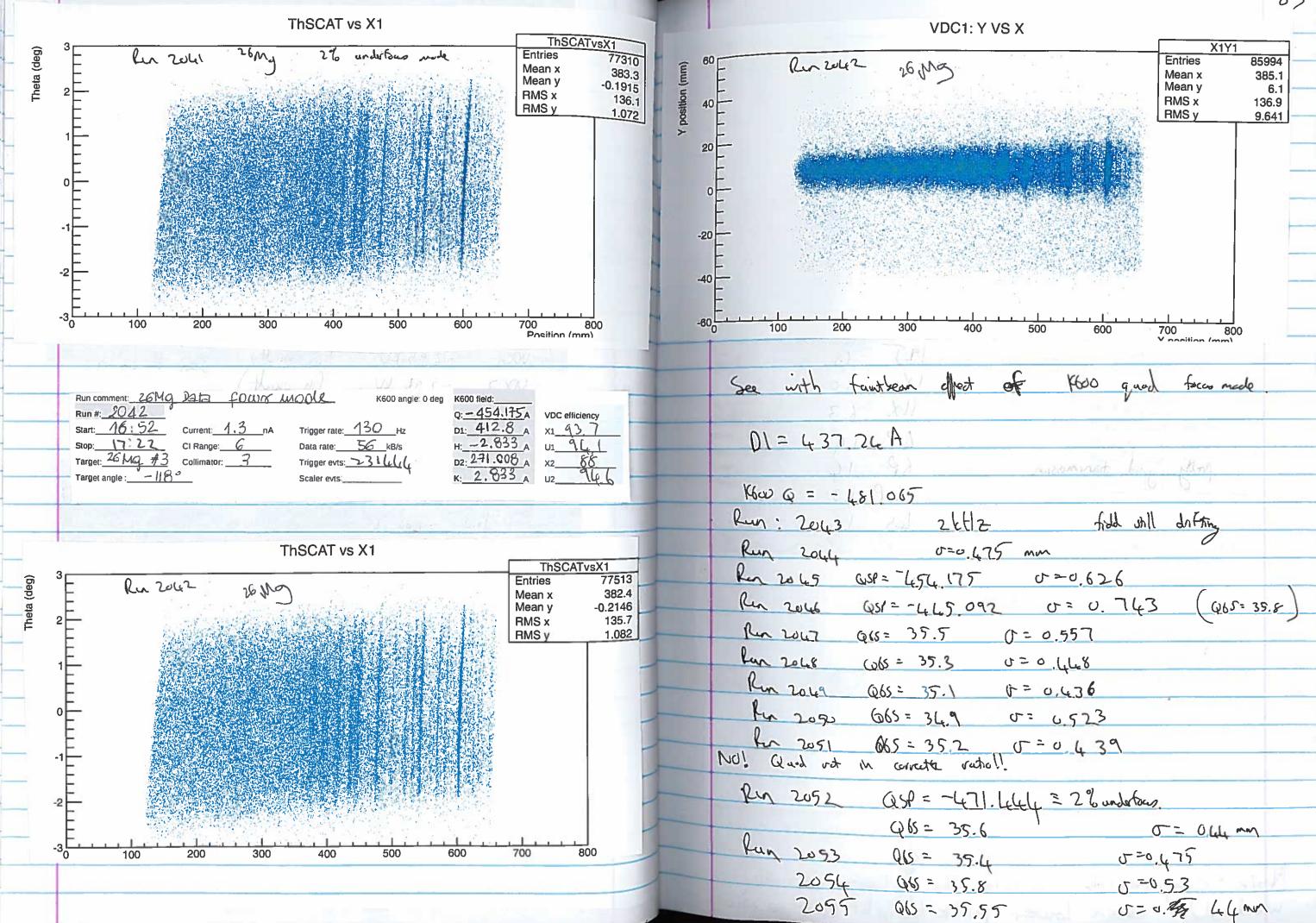
Run 2040 Cempy target
1.6 nA 110 HZ Start: 16:25 Stop : 16:28 (600 Q = -449,092 2% underfocos made Run comment 20mg 29s underform mude Run #: 2041

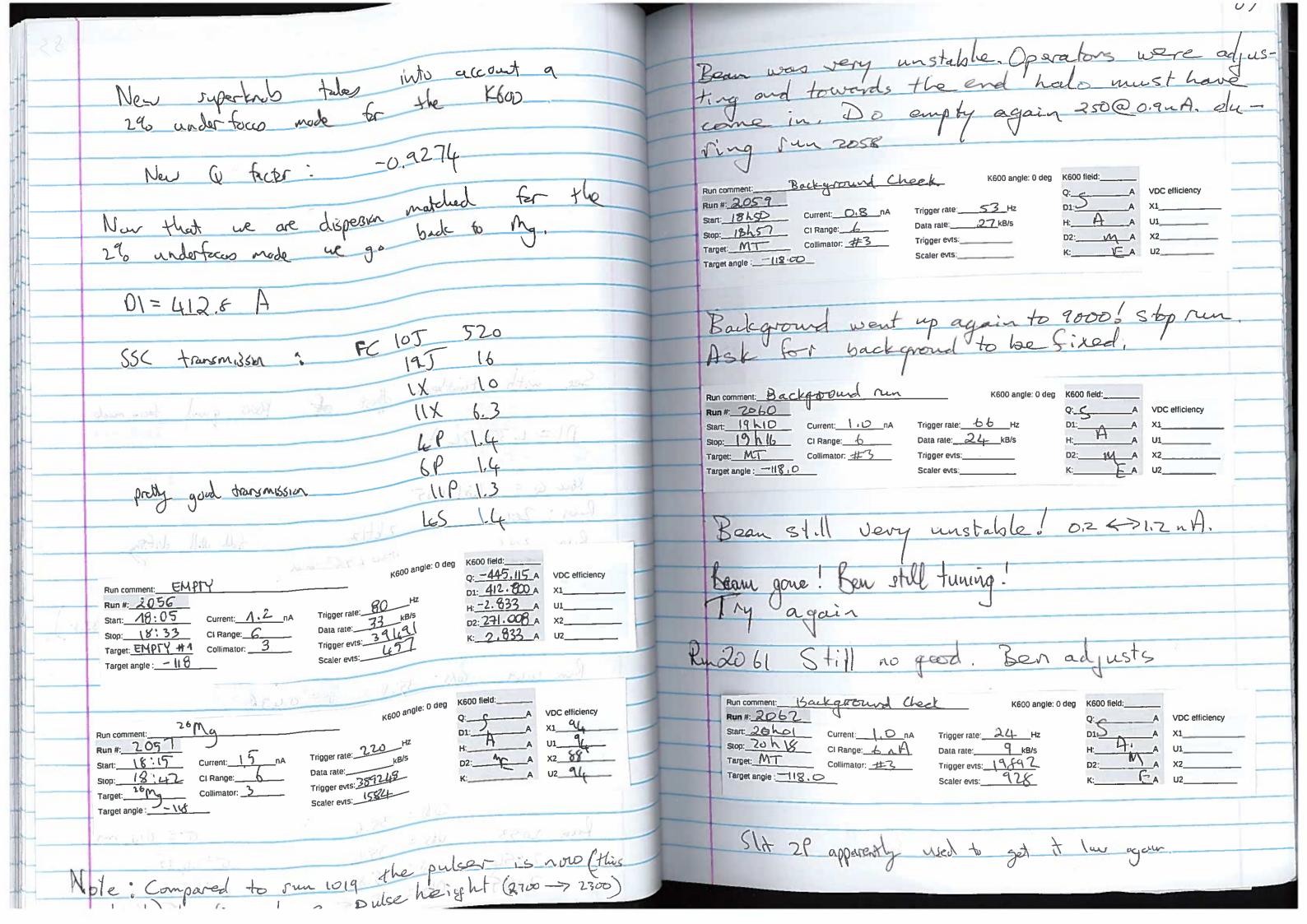
Start: 16:29 Current: 11 nA Trigger rate: 160 Hz

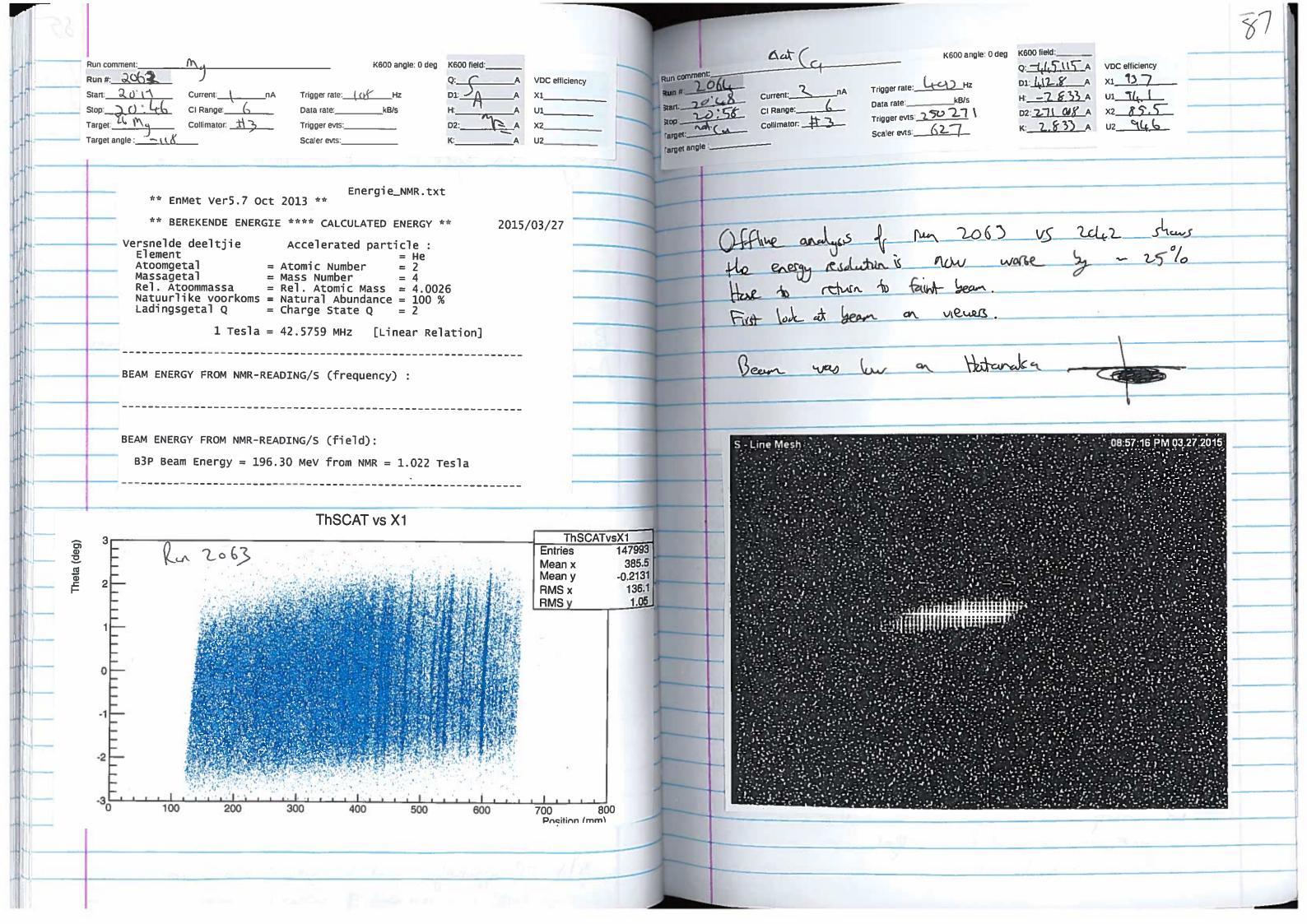
Stop: 16:71 CI Range: 6 Data rate: 64 kB/s

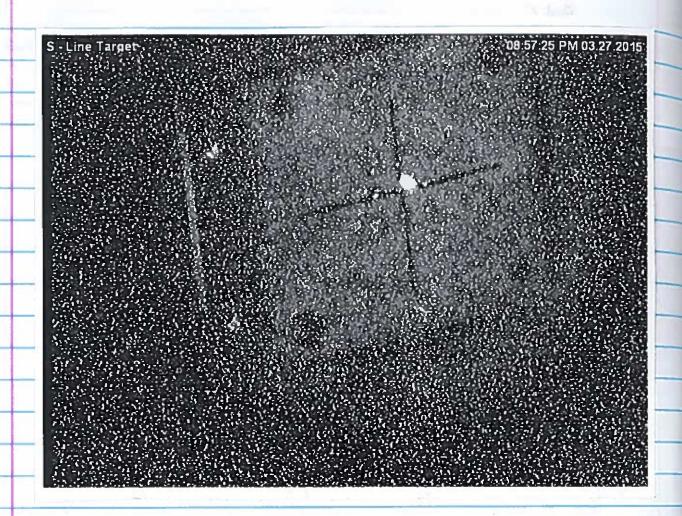
Target: 26 Mg Collimator: # 3 Trigger evis: Scaler evis: UDLZ -2.95 KV (in vault) Seen on comera (xv: -500 V on all 4 P) hi -1300 V 10 -1350 V thresholds: max an all 4 PZ hi -1200 V 1000 V VDC1: Y VS X X1Y1 2% underbus made 74961 Run 2041 387.6 Mean x











FC 14 80 nA FC 11X 40 nA FC 4P 25 aA

Buck to transmission made 0 = 412.8

S - Line Beamstop Viewer 09:19:25 PM 03:27:2015

Italo run 2075 2076

Try to set pulser higher. Gro in vault

and increase pulser PH.

Italo run 2077

Do: not understand speatin

Hallo run 2078, Pulser run @ 3700

60 HZ (a) 2.3 A.A.

