

10/2/2018

Suresh/Alec vented beamline in 811-E
moved slit & slit blades

We thought

* Bunch of upstream scans, downstream scans

* Go back to mono beam position
Set up mono

Alec notices IPXI has accumulated

18 trips/faults since we reset it

at $\approx 10h30$ AM. We are @ 15h44

19 trips/faults @ 15h54

Spoke to Ray - pressure was

7×10^{-8} Torr in 2/2016

So not much change.

* Alec solved the riddle.

La 2-x moved significantly (See p79)

2.5mm (one slide by)

5mm (one slide by...)

10/02

Comm 2018/10/02

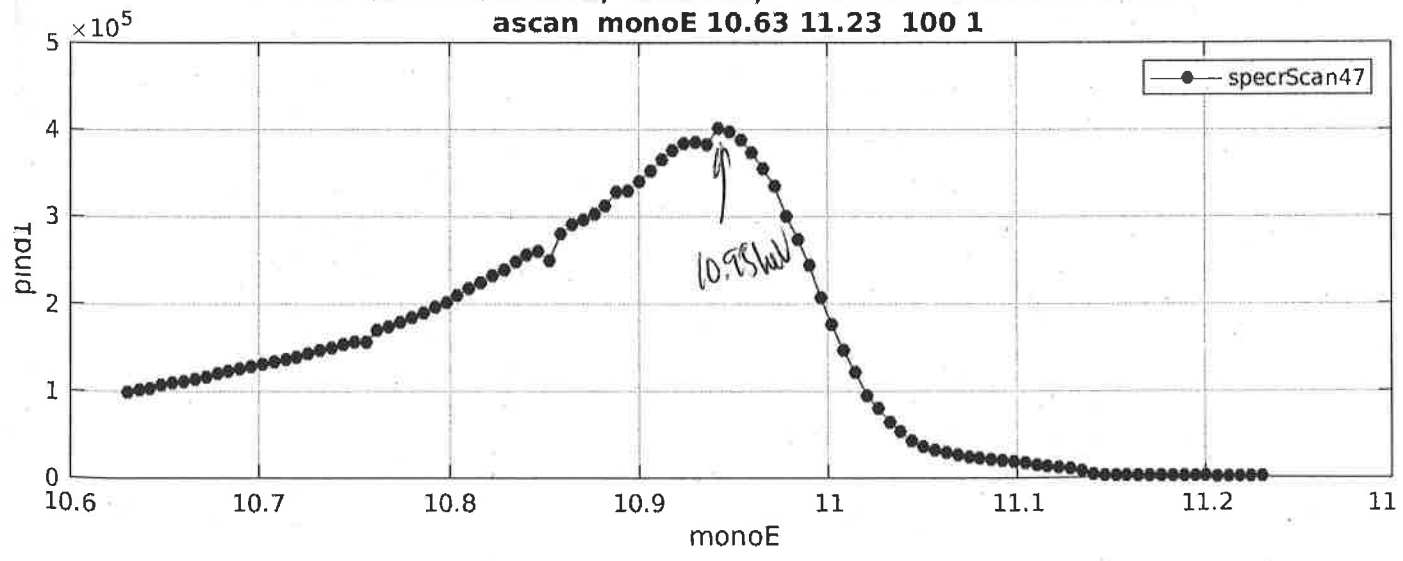
5:38 pm
 Steering
 net

A	+10	(+10)	S# 32
A	+10	(+20)	S# 33
	-20	(0)	S# 34
	-10	(-10)	# 35
	+10	(0)	# 36
V	+10	(10)	# 37
	-10	(0)	# 38
	+10	(+10)	# 39
	-10	(0)	# 40

Steering
Suresh.

#47 final alignment mono @ 10.95 keV

File: comm20181002, Scan 47, Tue Oct 02 18:09:19 2018
 ascan monoE 10.63 11.23 100 1



Peak 401228 @ 10.942, COM 10.8677, FWHM 0.20067 @ 10.897

Detector = 1
 Amps_per_Volt(pind1) = 0.0002 A/V
 CtpV = 100000
 Length = 0.0400 cm
 Element = Si
 Ephot = 10950 eV
 Si Length = 0.018 cm

313000 cps is a current of 0.000626 Amps

1.45e+12 photons per second

Switch lined up diamps

2018-10-02 18:16:22, table_full_soft.ui
 /APSShare/epics/synApps_5_B/support/optics-2-13/opticsApp/op/ui/autoconvert/table_full_soft.ui

8-ID-I Slit/Optics Table (Bid:table2)

Fixed point Default Refresh menu

Translate		Rotate		Motors			
mm		degrees		mm		mm	
X	11.306	AX	-0.094	M0X	-10.399625	M2X	-10.399075
Y	32.510	AY	-0.000	M0Y	31.849060	M2Y	33.510220
Z	-13.718	AZ	0.075	M1Y	31.170880	M2Z	14.853950

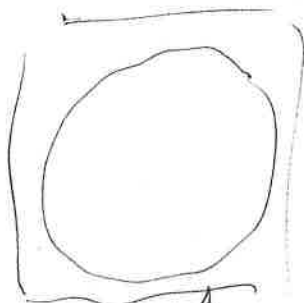
Use Set Zero Sync Init Stop Table Less More

Record Version: 5.14

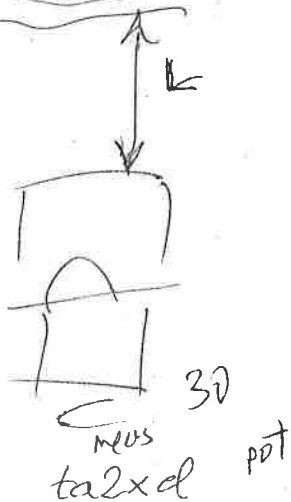
Handwritten notes: 2-12, optics table

			<u>9/30</u>	<u>10/2</u>	<u>10/1</u>
car	{	27 xu	134.45	131.99	2.46
		30 xd	137.49	132.44	5.05

					Actual
ta1	{	22 xu	-24.49	-24.51	log ASD from PV log of 810
		25 xd	-24.50	-24.51	



Alec's measurement
in 810-A
Distance between
two edge on
ta2xd, ta2xu.



16.50

106.5 / 132.45

27
meas ta2xu pot
98.0 / 132.0