Beamline Overview

02/06/2018 15:47:55

Orbit Locks

Lock On - Suspended

Fast Shut Down

	Upstream	Midstream	Downstream	BOM	
FSD Counts	0	4	300911	3741	
FSD Threshold	1000	1000	450000	12000	Solenoid
Masked / Tripped	○ ○	○ ○	○ ○	○ ○	○ ○

RATES

Moeller-L 0 / Moeller-R 0

Upstream-L 0 / Upstream-R 0

Tagger Top 2 / Tagger Bottom 2

2H00 Down 4

Midstream Halo Counters: T 1, L 0, R 0, B 0

ECAL	548	187		
PCAL	2048	2087		
FTOF	11	11		
LTCC	11745	10098		
HTCC	11503	11773		
ECAL	36	S2	S3	750
PCAL	1	S1	FTC / FTH 13837	S4 140
FTOF	10		52626	10
HTCC	11783	S6	S5	11256
ECAL	194	145		
PCAL	2	2		
FTOF	14	13		
LTCC	10677	10533		
HTCC	12140	10738		

CTOF 14541, 12790

CND 19144

Downstream Halo Counters: T 97240, L 43024, R 68445, B 111544

Beam Time Accounting

Beam Availbility	AVAILABLE
Beam Type	Electron
Beam Destination	Faraday Cup
BSY Energy (MeV)	6423.13
RF Rate (MHz)	N/A
Max RMS (%)	23.55

Helicity

1/2 Wave Plates: OUT OUT

+Z to +Y	50.00	Q-Asym	-45.0450
+Y to -X	90.010	Sync Rate	0
+Z to -X	0.00	H+ Rate	0
Delay	No Delay		

Beam Offset Monitor

117, 160

170, 180

223, 218

333, 268

366, 304

279, 466

185, 271

407, 168

4106 Sum

Beam Right

Beam Position Monitors

	2C21A	2C24A	2H00	2H01
Current (nA)	16.545	15.338		15.677
X Abs Pos (mm)	-0.028	0.144	1.981	0.372
Y Abs Pos (mm)	-0.031	0.717	1.616	-0.561

Tagger Dump

Cryotarget

Temperature 20.34 K

Pressure 1297.50 mb

SLM 18.1982

Faraday Cup 1.014

FC Temps (F): 78.27, 78.03

Current Ratios

FCup / SLM	0.056
FCup / 2c21	0.061

Moving Devices

Harp 2C21	Moeller Target	Tagger Harp (2C24)	Collimator	2H01A Harp	Beam Viewer	Beam Blocker
OUT	Right Foil / Empty / Left Foil	OUT	Empty / 20 mm / Blank / 12 mm	OUT	Chromax / BNNT / OTR	IN

BB Temps (F): 87.30, 89.78

Beamline Vacuum

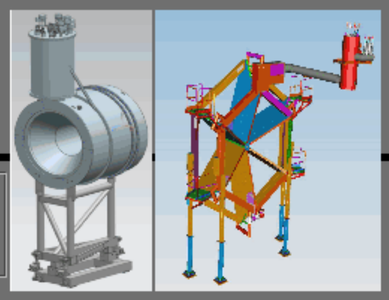
2C21	2C21A	2C24	2H00	2H01	2H02
1.00E-7	2.37E-7	6.55E-6	4.24E-6	2.35E-7	1.24E-6

Magnet Settings

2C21H / 2C21V	2C22H / 2C23V	Moeller Quad A / Quad B	Tagger	MQA2H00	2H00H	MQA2H00A	2H00V
821.844 / 817.457	2845.122 / -1028.153 gauss-cm	9.768 / 9.768	0.3 A, -0.00039 T	-0.000	-0.000	-0.000	-0.000

Tagger Dump

Solenoid: 2418.27 A, 5.11 T



Torus: 3766.31 A, 20256 G, POSITIVE Polarity

Open BTA Config