

~moller/doc/runtemplate_new1.pdf

Straight beam

30Hz
No delay
Quarter

Date	Begin time	End time	Crew	Comments
10/31/2016	10:30			

Energy	Linac	Injector	Pass	Wien Angle	HWP	Slt	Attenuat	Raster
8.445	10SD	118.5	4	535/0/0	1/2 OUT ROTIN			ON

Amps	Q1	Q2	Q3	Q4	Dipole
-209.6/36066	-124.0/-21336	145.0/23660	238.8/37321	440 A	

N	Time	I _{beam} curr	Run Number	Targ et	H _{coll} sign	Polarization %	FADC	Comments
1			Target	3	1257/17.48			0.77153
2	11:43	1.5	16082		3T			thr = 50 dbcd = 9
3	11:47	1.5	16083					
4	11:52	1.5	16084					
5	11:59	1.5	16085					
6	12:04	1.5	16086					thr = 250
7	12:06	1.5	16087	3	3T	86.16 ± 0.37		adc = 2
8	12:13	1.5	16088			86.12 ± 0.41		
9	12:25	1.5	16089			85.48 ± 0.38		
10	12:33	1.5	16090			85.97 ± 0.35		
11	12:39	1.5	16091			85.73 ± 0.35		
12						89 ± 0.17		
13			Q2 = -213.0	-36502		0.76406		$\chi^2 = 0.6$
14	13:08	0.5	16092			87.23 ± 0.59		
15	13:13	0.3	16093			86.53 ± 0.85		good beam position
16	13:20	1.5	16094			87.01 ± 0.36		
17	13:25	1.5	16095			88.34 ± 0.37		
18	13:29	1.5	16096			88.49 ± 0.37		
19						87.87 ± 0.19		
20			Q2 = -173.0			87.32 ± 0.76		$\chi^2 = 2.6$
21	13:39	1.5	16097			88.85 ± 0.40		
22	13:43	1.5	16098			88.98 ± 0.37		
23	13:47	1.5	16099			88.62 ± 0.37		
24	13:52	1.5	16100			88.31 ± 0.37		$P_{av} = 88.69 \pm 0.19$
25	13:57	1.5	16101					$\chi^2 = 0.6$
26								$\Delta A = 0.41\%$

$$P_{av} = 87.36 \pm 0.11 \quad \chi^2 = 65$$