

Helicity = 30 Hz 8-window - delay

Date	Begin time	End time	Crew	Comments
04/28/10	9:45			

Energy	Linac	Injector	Pass	Wien Angle	HWP	Slit	Attenuat	Raster
1063.12	503.25	56.62		-52	OUT	-0.99	85	2.25 x 4.5

	Q1	Q2	Q3	Dipole
Amps	13352.0	0	3336	303701.0 (GL)

N	Time	I _{beam} curr	Run Number	Targ et	H _{coil} sign	Polarization %	FADC	Comments
1	10:54	3.1	14418	1	+3.0	-89.76 ± 0.6	1344 1345	target pos (1.726, 48)
2	11:03	3.1	14419	1	+3.0	-89.74 ± 0.6	1346 1347	
3	11:12	3.1	14420	1	3	-89.77 ± 0.61	1348	$\langle P \rangle = -89.675 \pm 0.27$
4	11:20	3.1	14421	1	3	-89.43 ± 0.61	1349	$\chi^2 = 0.1$
5	11:33	3.1	14422	1	3	-86.52 ± 0.61	1350 1351	Raster off.
6	11:53	(3)	14423	1	3	-89.19 ± 1.2	1352 1353	Raster on, pulse mode
7	12:04	9.0	14424	1	3	-88.26 ± 0.75	1354 1355	slit = -1.0, duty = 30%, duty = 88, 60 Hz
8	12:10	9.0	14425	1	3	-89.23 ± 0.74	1356 1357	slit = -1.0, Act = 112
9	12:17	9.0	14426	1	+3	-88.99 ± 0.75	1358 1359	
10	12:23	9.0	14427	1	+3	-90.12 ± 0.75	1360	
11	12:28	9.0	14428	1	+3	-88.50 ± 0.75	1361	$\langle P \rangle = -88.78 \pm 0.8$
12	12:32	9.0	14429	1	+3	-87.67 ± 0.75	1362	$\chi^2 = 1.6$
13								
14	12:38	9.0	14430	1	3	-86.96 ± 0.75	1363	208 Hz OFF
15	expert mode end.							
16					CW			
17	12:52	3.0	14431	1	3	-88.97 ± 0.63	1364 1365	laser 77 slit = -1
18	13:02	3.0	14432	1	3	-89.22 ± 0.63	1366, 1367 1368	
19						bleedthrough measurement		
20	13:01	0.0	14433				1369	laser OFF
21								Raster on
22	13:18	3.0	14434	2	3	-88.42 ± 0.61	target pos 1370	(2.002 / 57.0)
23	13:27	3.0	14435	2	3	-88.55 ± 0.61	1371 1372	
24	13:36	3.0	14436	2	3	-89.44 ± 0.61	1373	$\langle P \rangle = -89.20 \pm 0.27$
25	13:45	3.0	14437	2	3	-89.45 ± 0.61	1374	$\chi^2 = 2.9$
26	13:57	3.0	14438	2	3	-89.10 ± 0.61	1375 1376	Raster off

Expert 60 Hz helicity

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~moller/doc/runtemplate_new2.pdf

N	Time	I _{beam} curr	Run Number	Targ et	H _{coil} sign	Polarization %	FADC	Comments
1	14:11	1.2	14439	3	B.	-90.26 ± 0.51	1377	target pos (2.281, 66)
2	14:20	1.2	14440			-90.73 ± 0.51	1378	Raster on
3	14:30	1.2	14441			-89.72 ± 0.50	1379	-90.49 ± 0.33
4	14:39	1.2	14442			-90.66 ± 0.48	1380	Raster off
5	14:52	0.32	14443	4.		-91.66 ± 0.54	1381	Raster off
6	15:02	0.32	14444			-90.61 ± 0.54	1382	pos (2.549, 75)
7	15:12	0.32	14445			-91.25 ± 0.54	1383	Raster off
8	15:21	0.32	14446			-91.11 ± 0.53	1384	91.11 ± 0.25
9	Target change Magnet to operation direction							
10	15:36	1.31	14447	3	+3	-91.06 ± 0.48	1385	-90.62 ± 0.30
11	15:44	1.22	14448	3	+3	-90.25 ± 0.45	1385	
12		Change magnet to				-3.0 Tesla		
13								
14	17:24	1.25	14449	3	-3	$+90.76 \pm 0.45$	1386	b. position was drifted 1387 is junk 90.27 ± 0.2
15	17:43	1.25	14450	3	-3	$+89.87 \pm 0.46$	1388	
16	17:52	1.23	14451	3	-3	$+90.00 \pm 0.43$	1389	
17	18:02	1.5	14452	3	-3	$+90.47 \pm 0.43$	1390	
18		collimator changing						
19	18:17	1.23	14453	3	-3	91.56 ± 0.48	1391	4 cm collimator
20	18:23	1.2	14454	3	-3	91.66 ± 0.64	1391	2 cm collimator
21	18:28	1.2	14455	3	-3	91.54 ± 1.01	1392	2 cm collimator
22	18:31	1.2	14456	3	-3	93.43 ± 1.36	1392	2.1 cm collimator
23	18:34	1.2	14457	3	-3	90.48 ± 2.43	1393	1 cm - - -
24	18:36	1.2	14458	3	-3	90.45 ± 0.87	1394	1.73 cm
25	18:41	1.2	14459	3	-3	91.29 ± 0.70	1394	3 cm
26								
27								
28								
29								
30								