

Sasha, Roman 14:20 → 16:30 → 22:30

Date	Energy	Pass	Wien	Raster	Target	
12/19/2011	1721.28	3	90/-92.037	OFF	HWP = OFF IN	

Wien 0.0

	Q1	Q2	Q3	D
Bdl				2.993 μ g
Gl				491725
A				

Chan	HV set	Chan	HV set	Chan	HV set
1	1710	5	1721	ApL	855 885
2	1900	6	1611	ApR	750 790
3	2030	7	1750		775 800
4	1915	8	1930		825 810

N	Time	I_b , μ k current	Run Number	Thresh mV,	Trigger	Hcoil Sign	Polarization %	Comments
1		Runs	15040 - 15046		30Hz	8 Windows	Quartet	
2					Target 4			huge beam charge asym.
3	16:48	0.3	15040	250		8A		HV tune
4	16:55		15041					Q1
5	17:02		15042					
6	17:15		15044					
7	17:27		15045					
8	17:40		15046					
9			960Hz					
10	17:58	0.3	15047					trash
11	18:02	0.3	15048					
12	18:07		15049					
13			Q1	kG	G4			Q1 Scan
14	18:24	0.3	15050	2.5	22556		67.77	Q3 = 5441.6 (0.75kG)
15	18:27		15051	2.4	21654		67.36	
16	18:29		15052	2.3	20752		70.88	
17	18:32		15053	2.2	19849		58.34	
18	18:37		15054	2.1	18947		66.57	
19	18:40		15055	2.0	18045		55.43	
20	18:42		15056	1.9	17142	Max	73.04	
21	18:44		15057	1.8	16240		53.21	
22	18:47		15058	1.77	15970		70.87	
	18:49		15059	1.7	15059		62.44	

N	Time	I _b , uA current	Run Number	Thresh mV,	Trigger	Hcoil Sign	Polarization %	Comments
23	18:51	0.3	15060	1.5 kG	14436		70.96	
24	18:54		15061	1.5	13533		45.10	
25								
26	19:02	0.3	15062	2.5	15056		73.48	Q1 = 15.056 (2.5 kG) Q3 = 5441.6 (0.75)
27	19:14		15063	1.9	17142		53.13 ± 1.0	
28			Q3 scan	Q1 =	15056 (2.5)		17142 (1.9 kG)	
29	19:28	0.3	15064	1.1	7982		67.94 ± 0.2	
30	19:30		15065	1.0	7256		64.79	
31	19:33		15066	0.9	6530		63.90	
32	19:36		15067	0.8	5805		54.83	
33	19:38		15068	0.7	5079	(Max)	71.77	
34	19:40		15069	0.6	4353		52.67	
35	19:43		15070	0.54	3918		65.96	
36	19:45		15071	0.5	3628		71.41	
37	19:47		15072	0.4	2902		66.66	
38								
39			Q1 = 17142	Q3 = 5079	± 1.9 / 0.7 kG			
40	19:58	0.3	15073				-57.77 ± 0.65	
41	20:02	0.3	15074				59.39 ± 0.54	58.73 ± 0.42
42	20:08	0.5	15075				-62.07 ± 0.41	
43	20:14	0.5	15076				-62.85 ± 0.41	62.46 ± 0.29
44	20:21	0.7	15077				-61.84 ± 0.34	
45	20:27	0.7	15078				62.66 ± 0.34	62.25 ± 0.24
46	20:33	0.7	15079				-62.69 ± 0.35	double scan
47	20:41	0.7	15080				62.95 ± 0.36	double scan
48	20:49	0.7	15081				-62.85 ± 0.36	double scan
49								⟨P⟩ = 62.83 ± 0.21
50								

N	Time	I _b , uk current	Run Number	Thresh mV,	Trigger	Hcoil Sign	Polarization %	Comments
23	21:02	0.1	15082				60.57 ± 0.46	Target 2
24	21:01	0.1	15083				-63.53 ± 0.45	21.930 / 2.908
25	21:20	0.1	15084				60.15 ± 0.46	0.280 / 1.375
26	21:32	0.1	15085				-64.67 ± 0.46	
27	21:41	0.1	15086				60.10 ± 0.46	
28	21:40	0.1	15087				-63.48 ± 0.46	
29								$\langle P_L \rangle = 62.08 \pm 0.19$
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