

Run #	Sample	Rep. rate (Hz)	Transmission %	Photon Energy (keV)	Detector position (mm)	Pulse length (fs) ~	Pulse energy (mJ)
1	Dark Run						
2	RhArr batch1	120	7%	9.47	100	39	1.78
3	RhArr batch1	120	10%	9.47	100	39	1.78
4	RhArr batch1	120	10%	9.47	100	39	1.78
5	RhArr batch1	120	10%	9.47	100	39	1.78
6	RhArr batch1	120	10%	9.47	100	39	1.78
7	RhArr batch1	120	10%	9.47	100	39	1.78
8	RhArr batch1	120	10%	9.47	100	39	1.78
9	RhArr batch1	120	10%	9.47	100	39	1.78
10	RhArr batch1	120	10%	9.47	100	39	1.78
11	RhArr batch1	120	7.2 %	9.47	100	39	1.78
12	RhArr batch1	120	7.2 %	9.47	100	39	1.78
13	RhArr batch1	120	7.2 %	9.47	100	39	1.78
14	RhArr batch1	120	7.2 %	9.47	100	39	1.78
15	RhArr batch1	120	7.2 %	9.47	100	39	1.78
16	RhArr batch1	120	7.2 %	9.47	100	39	1.78
17	RhArr batch1	120	7.2 %	9.47	100	39	1.78
18	RhArr batch1	120	7.2 %	9.47	100	39	1.78
19	RhArr batch1	120	7.2 %	9.47	100	39	1.78
20	RhArr batch1	120	7.2 %	9.47	100	39	1.78
21	RhArr batch1	120	7.2 %	9.47	100	39	1.78
22	RhArr batch1	120	7.2 %	9.47	100	39	1.78
23	RhArr batch1	120	7.2 %	9.47	100	39	1.78
24	RhArr batch1	120	3.75 %	9.47	100	39	1.78
25	RhArr batch1	120	3.75 %	9.47	100	39	1.78
26	Dark run	120		9.47	100	39	1.78
27	RhArr batch1	120		9.47	100	39	1.78
28	RhArr batch1	120	3.57 %	9.47	100	39	1.78
29	RhArr batch1	120	3.57 %	9.47	100	39	1.78
30	RhArr batch1	120	7.2 %	9.47	100	39	1.78
31	RhArr batch1	120	7.2 %	9.47	100	39	1.78
32	RhArr batch1	120	7.2 %	9.47	100	39	1.78
33	RhArr batch1	120	5.1 %	9.47	100	39	1.78
34	RhArr batch1	120	5.1 %	9.47	100	39	1.78
35	RhArr batch1	120	3.5 %	9.47	100	39	1.78
36	RhArr batch1	120	3.5 %	9.47	100	39	1.78
37	RhArr batch1	120	3.5 %	9.47	100	39	1.78
38	RhArr batch1	120	3.6 %	9.47	100	39	1.78
39	RhArr batch1	120	3.6 %	9.47	100	39	1.78
40	RhArr batch1	120	3.6 %	9.47	100	39	1.78
41	RhArr batch1	120	3.6 %	9.47	100	39	1.78
42	RhArr batch1	120	3.6 %	9.47	100	39	1.78
43	RhArr batch1	120	3.6 %	9.47	100	39	1.78
44	RhArr batch1	120	3.6 %	9.47	100	39	1.78

Run #	Sample	Rep. rate (Hz)	Transmission %	Photon Energy (keV)	Detector position (mm)	Pulse length (fs) ~	Pulse energy (mJ)
45	RhArr batch1	120	3.6 %	9.47	100	39	1.78
46	RhArr batch1	120	3.6 %	9.47	100	39	1.78
47	RhArr batch1	120	3.6 %	9.47	100	39	1.78
48	RhArr batch1	120	3.6 %	9.47	100	39	1.78
49	RhArr batch1	120	3.6 %	9.47	100	39	1.78
50	RhArr batch1	120	3.6 %	9.47	100	39	1.78
51	dark run	120	3.6 %		100	39	1.78
52	RhArr batch2	120	4.39%	9.47	100	48	2.11
53	RhArr batch2	120	5.00%	9.47	100	48	2.11
54	RhArr batch2	120	5.00%	9.47	100	48	2.11
55	RhArr batch2	120	5.00%	9.47	100	48	2.11
56	RhArr batch2	120	5.00%	9.47	100	48	2.11
57	dark run	120	5.00%	9.47	100	48	2.11
58	RhArr batch2	120	5.00%	9.47	100	48	2.11
59	RhArr batch2	120	5.00%	9.47	100	48	2.11
60	RhArr batch2	120	5.00%	9.47	100	48	2.11
61	RhArr batch2	120	5.00%	9.47	100	48	2.11
62	RhArr batch2	120	5.00%	9.47	100	48	2.11
63	RhArr batch2	120	5.00%	9.47	100	48	2.11
64	RhArr batch2	120	5.00%	9.47	100	48	2.11
	LCLS power outage						
69	RhArr batch3	120	7.20%	9.47		40	2.49
70	RhArr batch3	120	7.20%	9.47	108	40	2.49
71	RhArr batch3	120	7.20%	9.47	108	40	2.49
72	RhArr batch3	120	7.20%	9.47	108	40	2.49
73	RhArr batch3	120	7.20%	9.47	108	40	2.49
74	RhArr batch3	120	7.20%	9.47	108	40	2.49
75	RhArr batch3	120	7.20%	9.47	108	40	2.49
76	RhArr batch3	120	7.20%	9.47	108	40	2.49
77	RhArr batch3	120	7.20%	9.47	108	40	2.49
78	RhArr batch3	120	7.20%	9.47	108	40	2.49