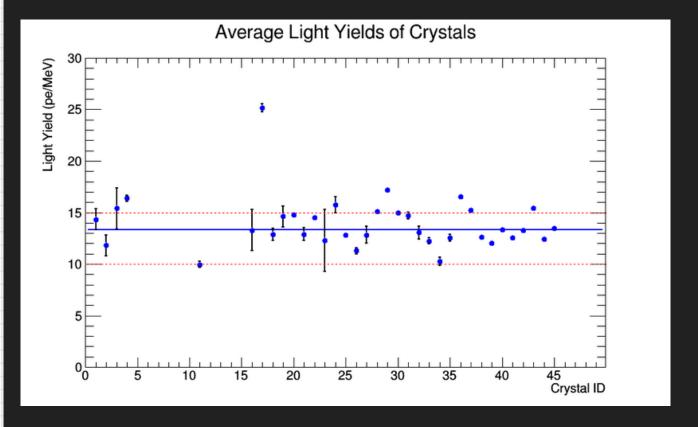
Analyzing LY Data

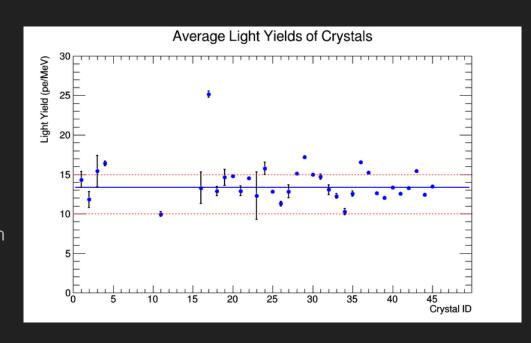
		Average	Unc (Least mean
Number	Crystal	LY	squared)
3	BTCP###	15.40	2
1	CRYTUR01	14.33	
2	Cytur II	11.81	
11	J11	9.945	0.3
16	J16	13.30	2
17	J17	25.18	0.4
18	J18	12.86	0.6
19	J19	14.61	
20	J20	14.97	0.1
21	J21	12.90	0.6
22	J22	14.10	0.1
23	J23	12.29	3
24	J24	15.74	0.8
25	J25	12.82	0.2
26	J26	11.28	0.3
27	J27	12.84	0.8
28	J28	14.31	0.6
29	J29	17.18	
30	J30	13.57	
31	J31	14.71	0.3
32	J32	13.05	0.6
33	J33	12.25	0.3
34	J34	10.27	0.4
35	J35	12.55	0.3
36	J36	16.51	0.2
37	J37	11.64	
38	J38	12.60	0.2
39	J39	12.02	0.1
40	J40	13.34	0.0
41	J41	12.97	0.3
42	J42	13.67	0.3
43	J43	13.96	0.6
44	J44	12.40	
45	J45	13.49	0.07
4	SICCA 02	16.39	0.3

Previously Collected Data



Main Points

- Still need data for J28 and J44
- 20% of the crystals have average LY outside the range (10-15 pe/MeV)
 - BTCP, J11, J17, J24, J29, J36, SICCA 02
- Total Average LY = ~13
- Next Step
 - Find the data currently missing from the graph
 - Compare our results to data from other labs



Impact of Crystal Surface and Reflector on Light Collection

- Conducted one run on the Crystal BGO (run 3673)
 - At this point I don't have the results yet because the different dimensions may have been an issue
- Next Step: Become more familiar with the data, and work on optimizing the Surface and Reflector