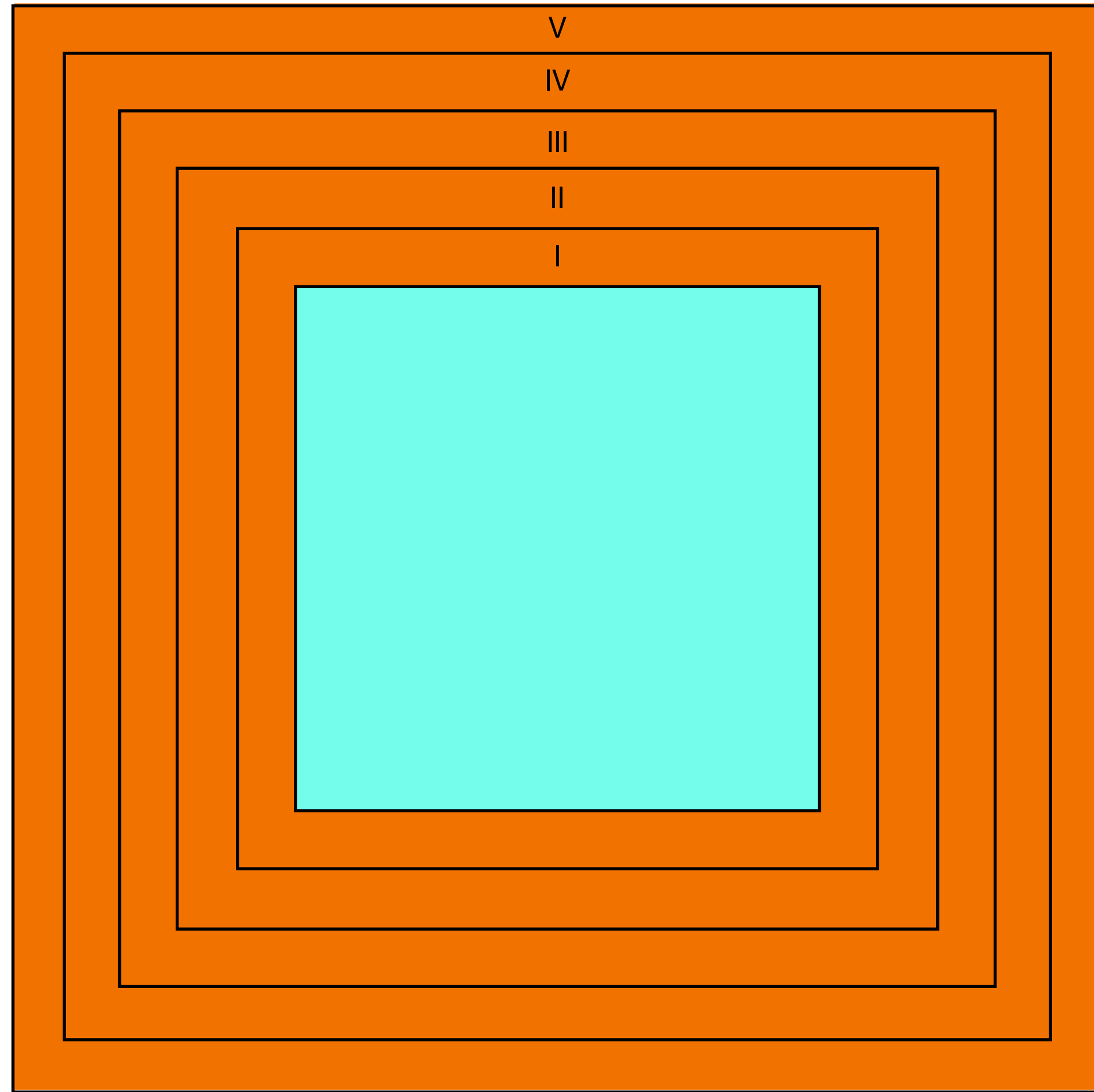


Internal background status

Simulation meeting

Melba D'Astolfo, 6/06/2024

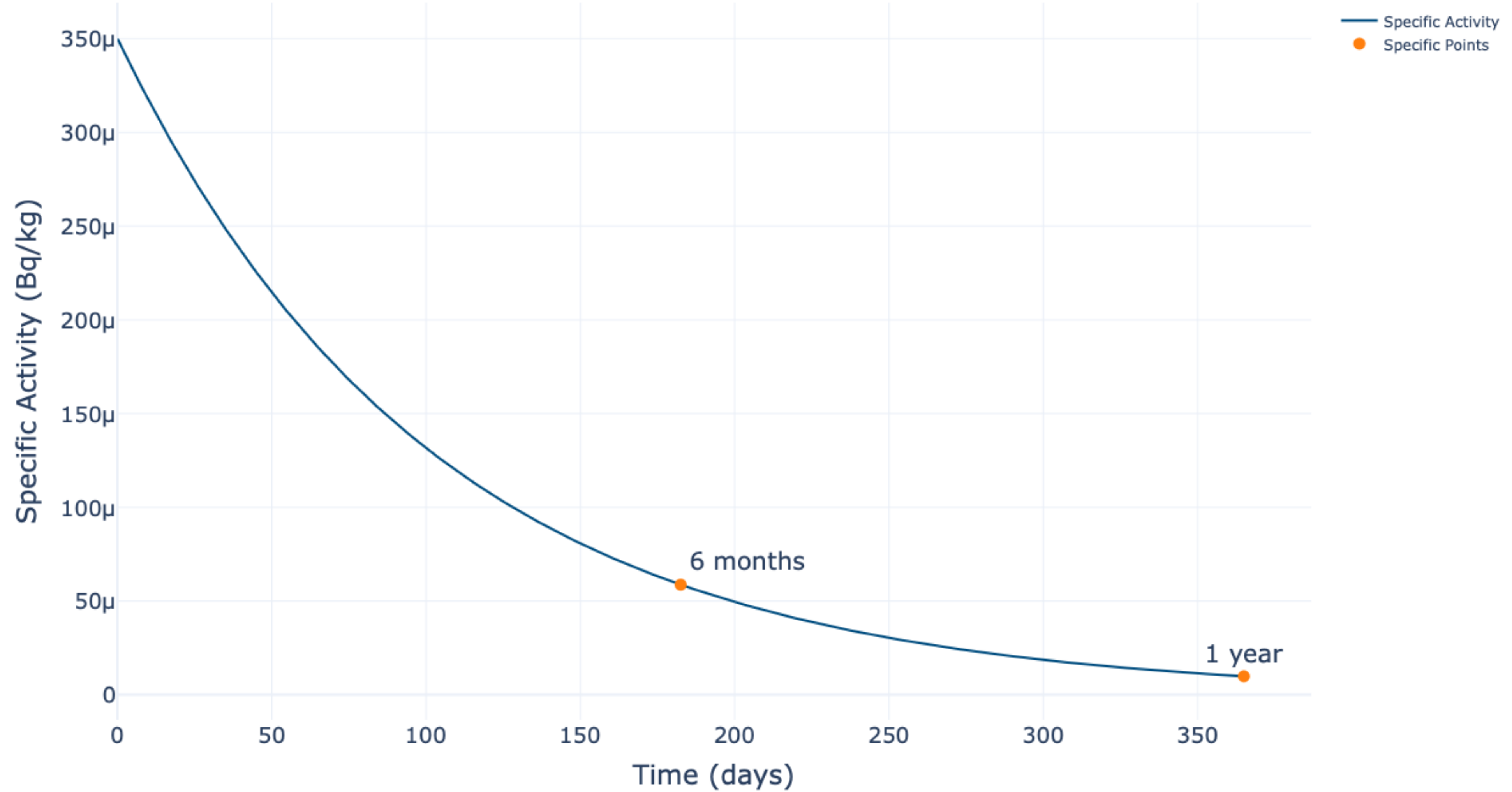
Layer configuration



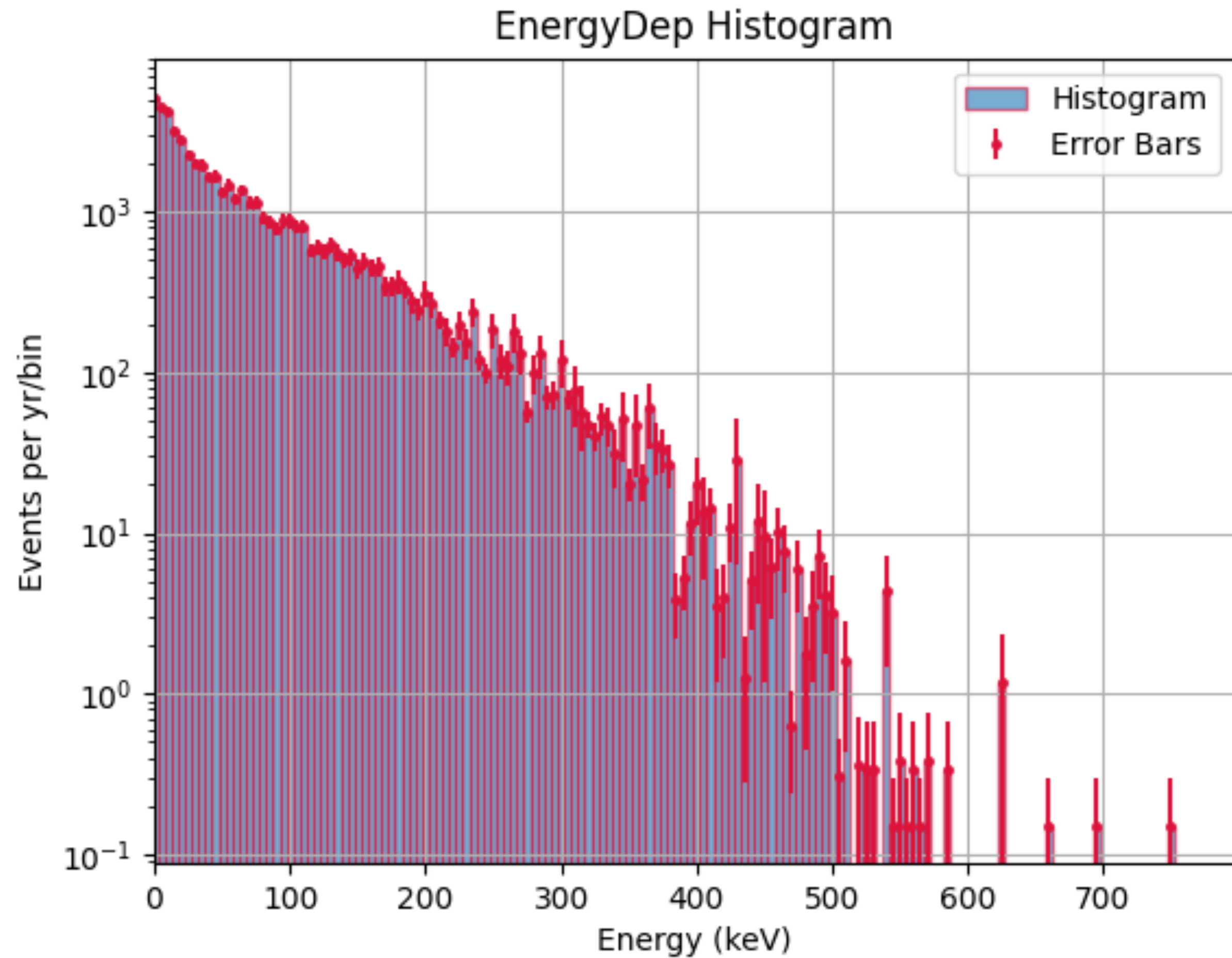
- I. SCHRIEBER
- II. SCHRIEBER
- III. OPERA
- IV. OPERA
- V. OPERA

Activity vs time

Specific Activity Trend of Co-58 Over Time

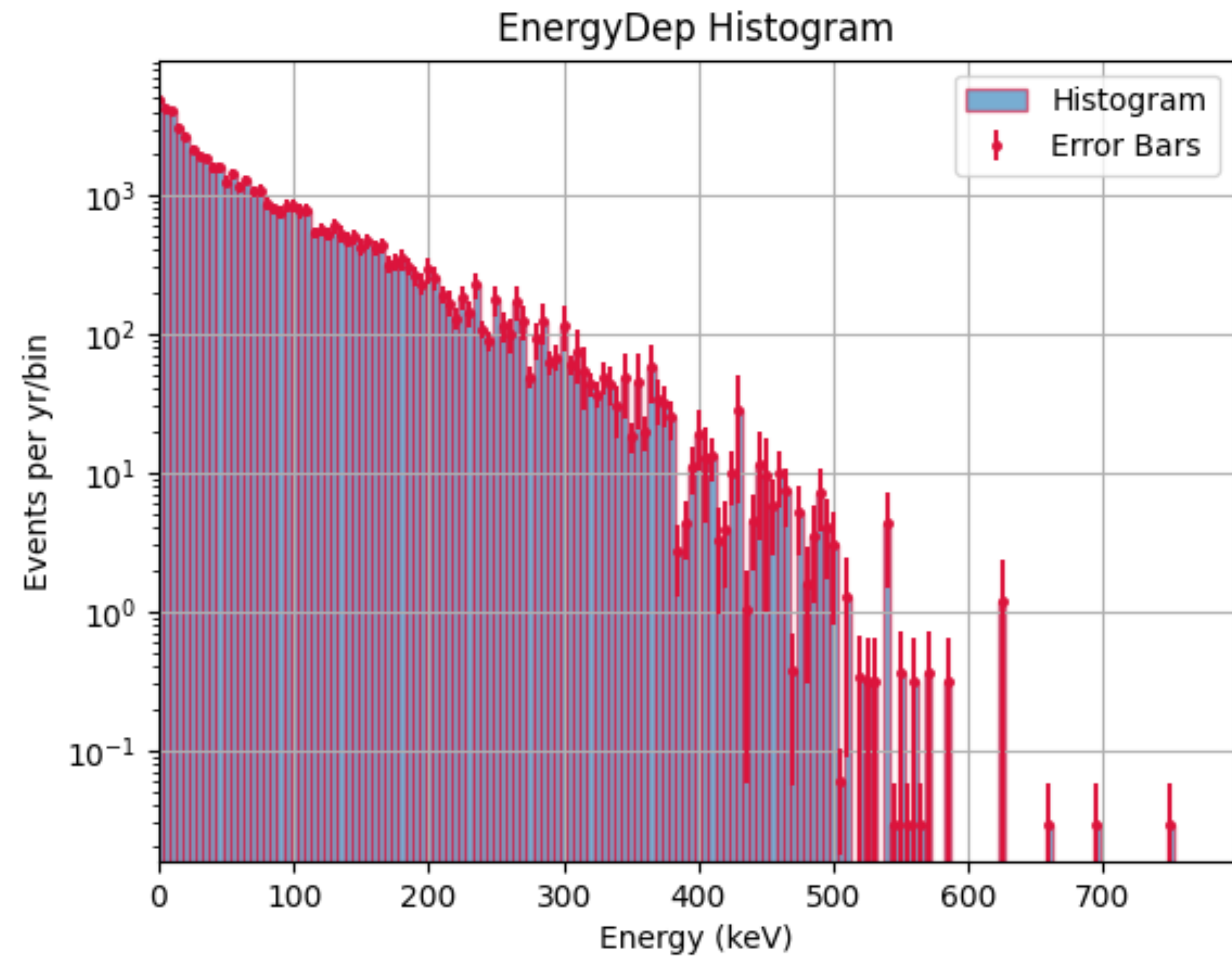


Shielding contribution (6 months)



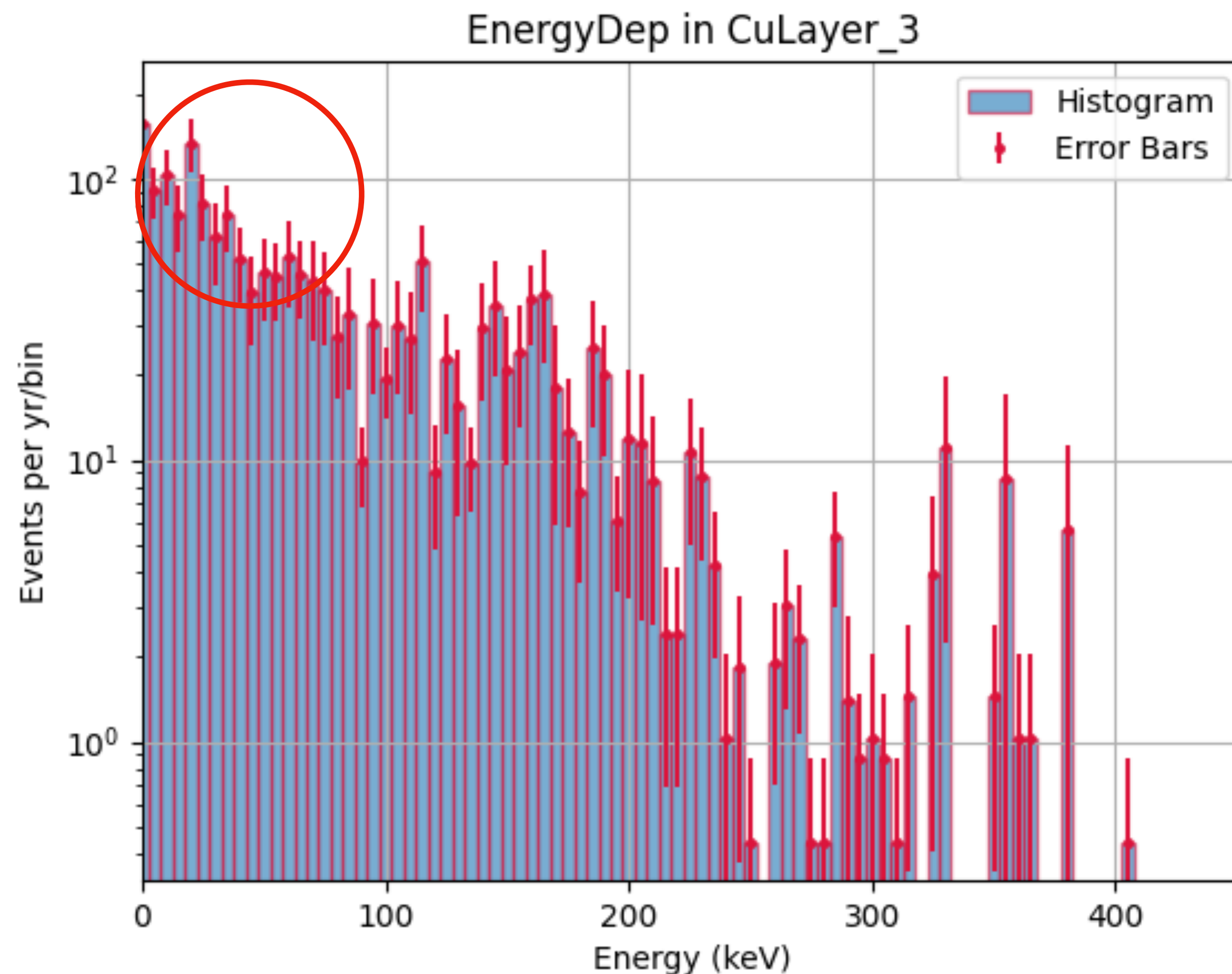
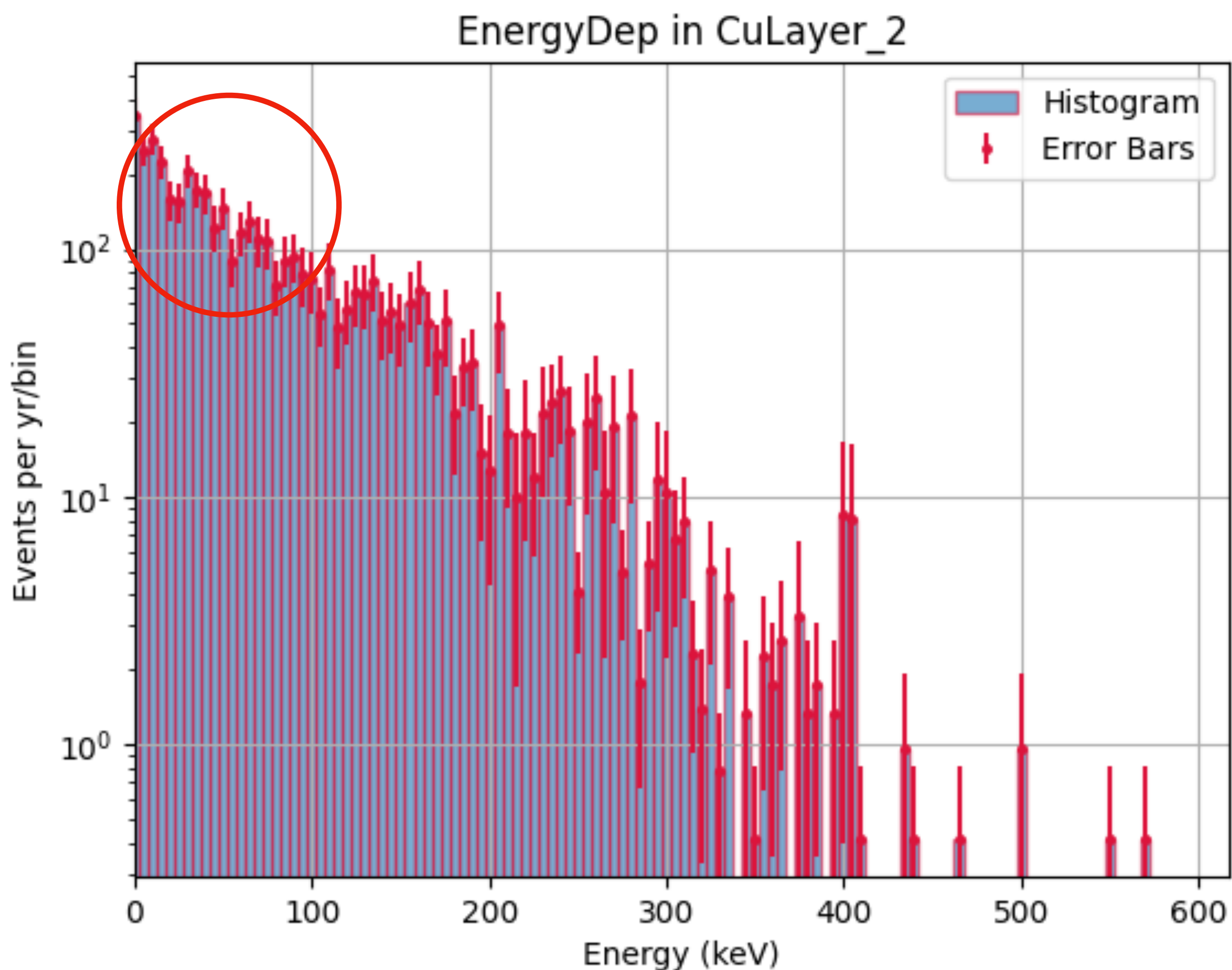
	0 [months]	6 [months]
Layer_0 [events per year]	72695 ± 1941	59638 ± 1878
Layer_1 [events per year]	15772 ± 795	11849 ± 750
Layer_2 [events per year]	4711 ± 344	4676 ± 342
Layer_3 [events per year]	2278 ± 244	2259 ± 242
Layer_4 [events per year]	967 ± 165	960 ± 164
TOTAL	96423 ± 2145	79381 ± 2072

Shielding contribution (1 year)



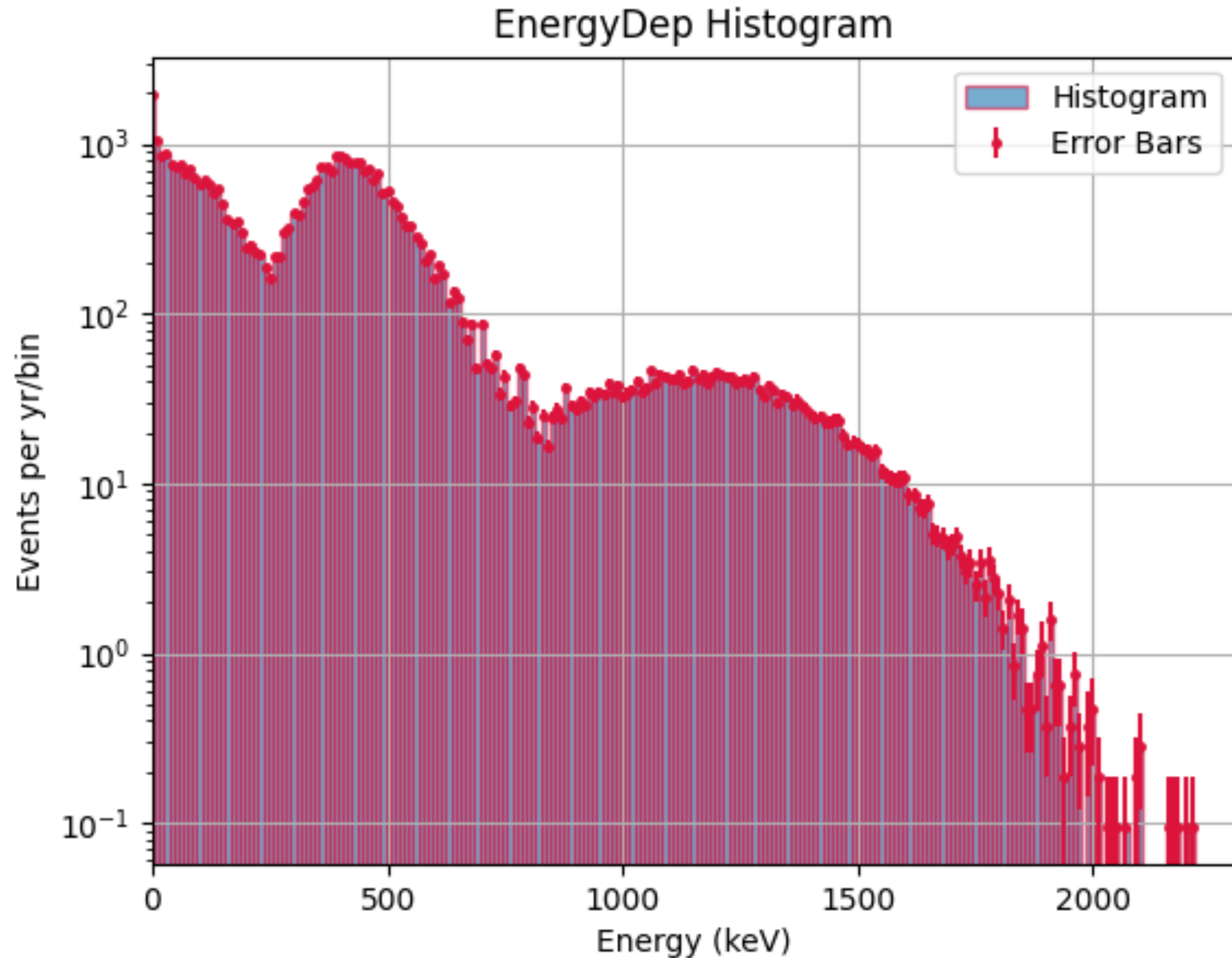
	0 [months]	12 [months]
Layer_0 [events per year]	72695 ± 1941	56791 ± 1874
Layer_1 [events per year]	15772 ± 795	11082 ± 749
Layer_2 [events per year]	4711 ± 344	4641 ± 339
Layer_3 [events per year]	2278 ± 244	2242 ± 240
Layer_4 [events per year]	967 ± 165	952 ± 163
TOTAL	96423 ± 2145	75708 ± 2067

Low statistics issue



No more lead excess at low energies

Acrylic contribution



	0 [months]
Acrylic [events per year]	23183 ± 292