




Status Report

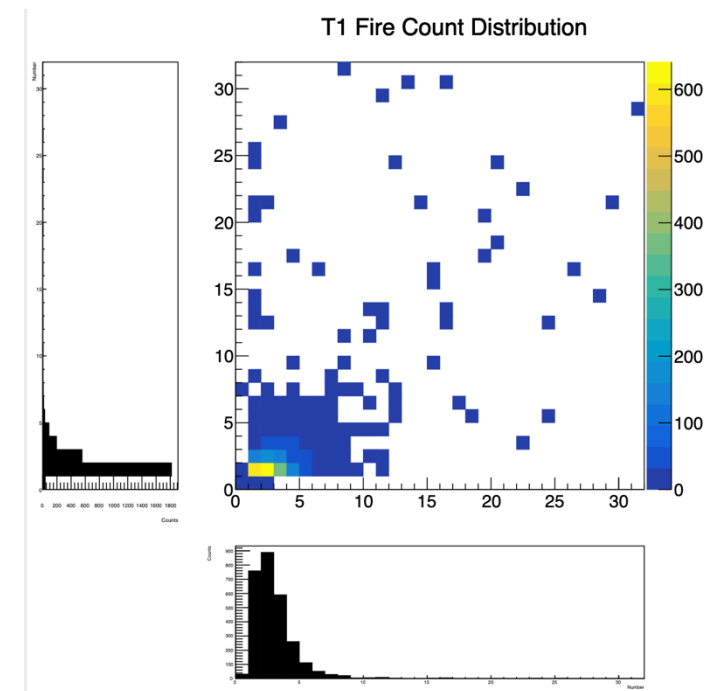
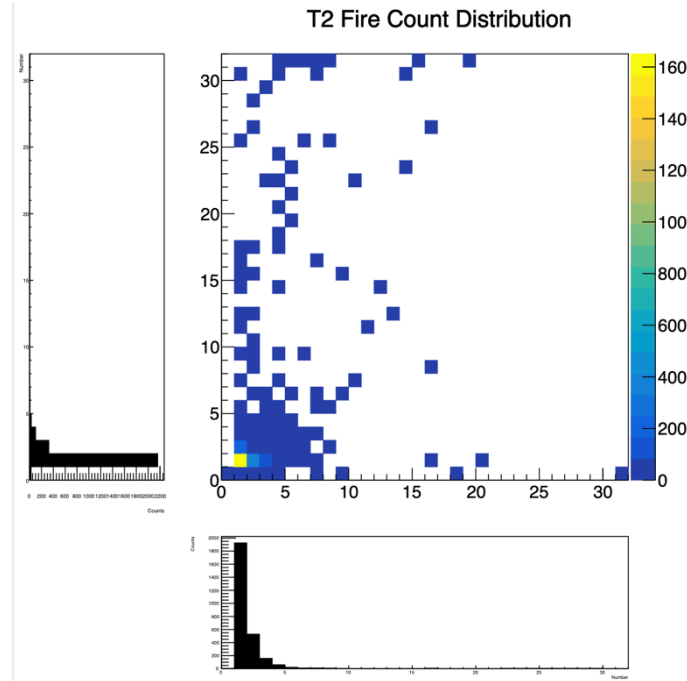
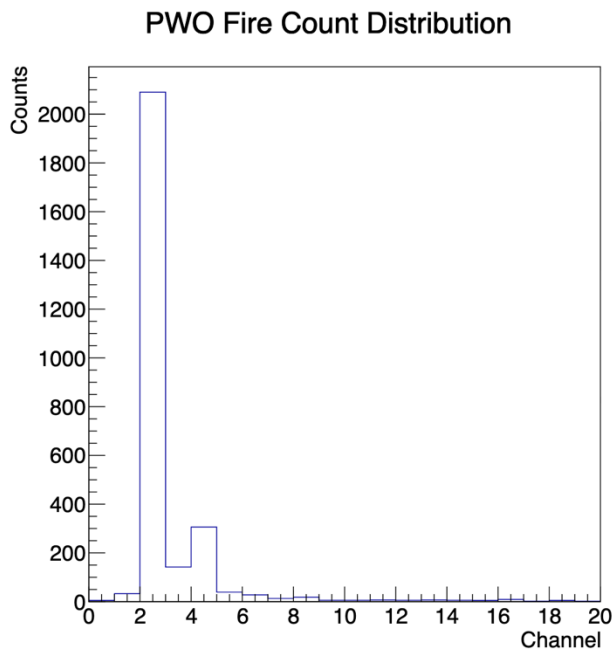
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Fire Distribution

- Use 10/02 ~ 10/31 data.
- The LYSO efficiency is very low.
- PWO have the peak at 2 channel fire -> need to check whether a same crystal.
- BM2 is single channel fire, bit BM1 is a distribution.

Total Events: 2837
PWO Matched Events: 2837 (Efficiency: 100%)
LYSO Matched Events: 50 (Efficiency: 1.76243%)
Both Matched Events: 50 (Efficiency: 1.76243%)
Events with Full Readout: 2837 (Rate: 100%)



BM2

LYSO

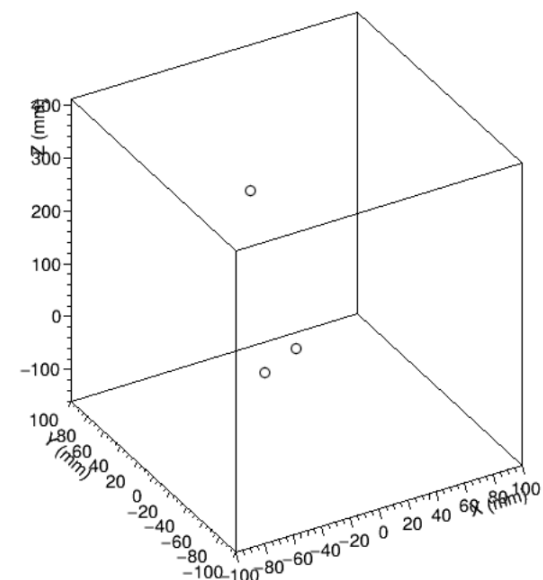
PWO

BM1

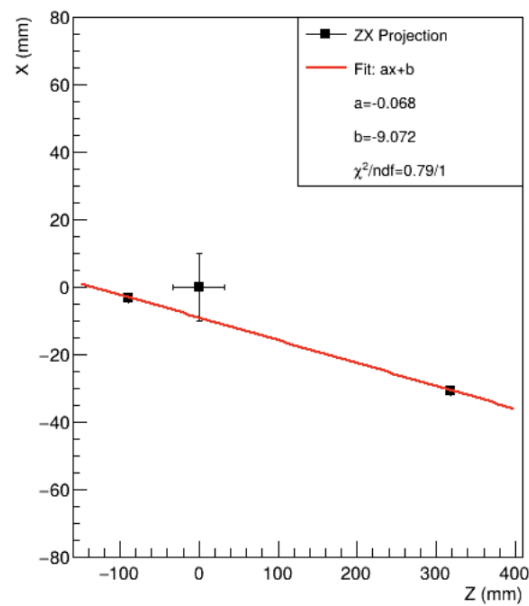
Tracking

- Take the ADCmax channel to use the linear tracking.
- Since the BM1 is a distribution, the ADCmax tracking have problem.

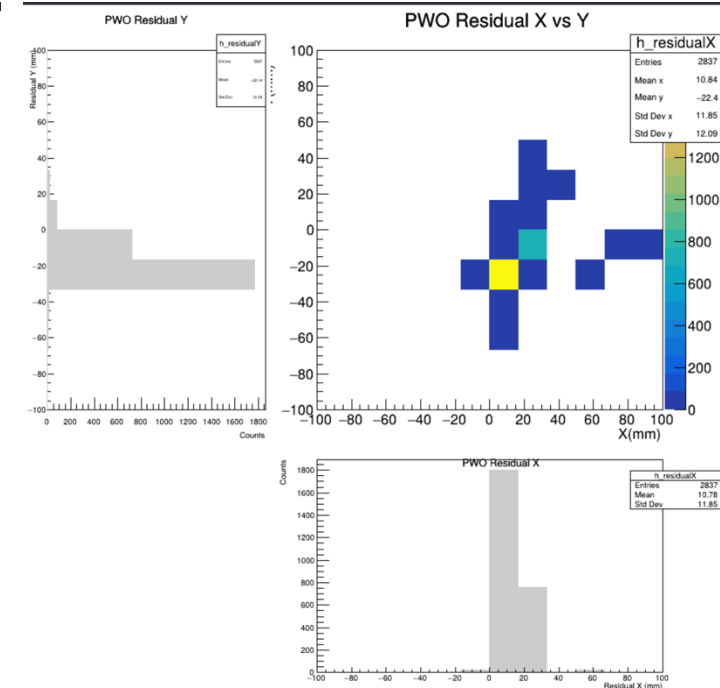
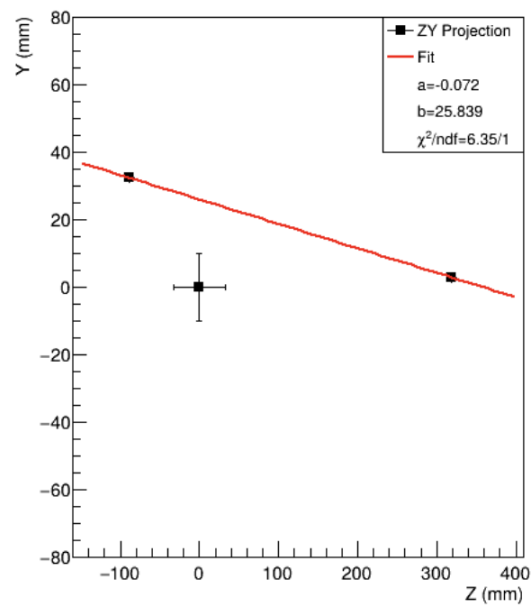
Tracking Visualization



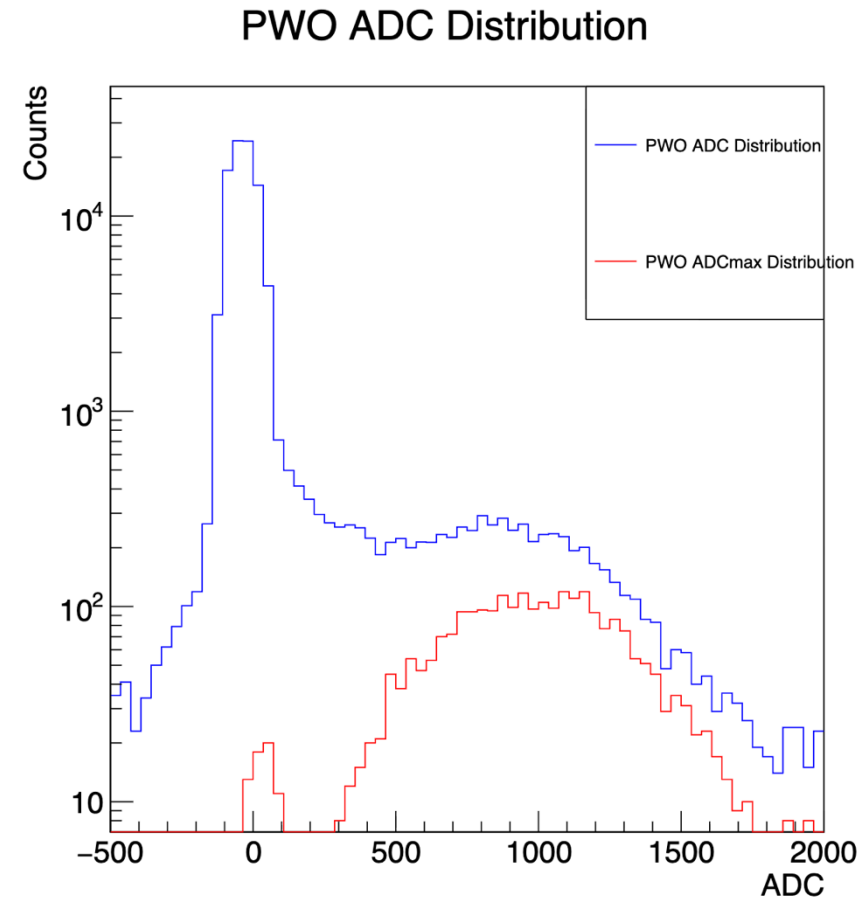
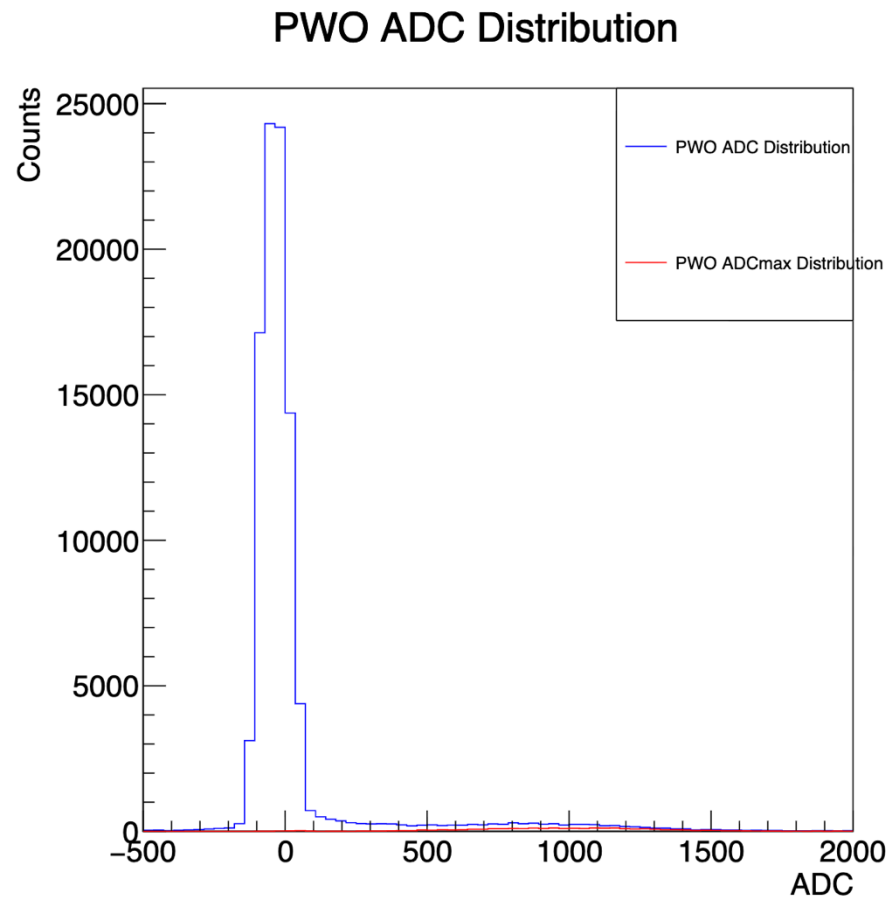
Tracking Z-X



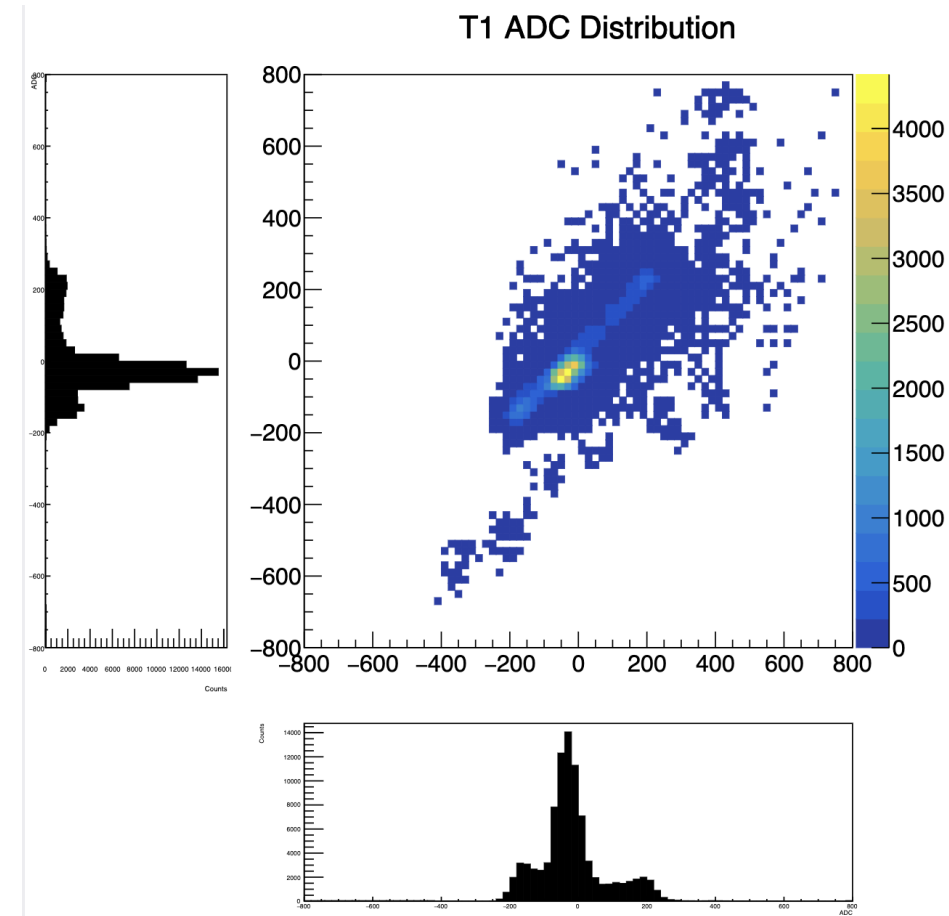
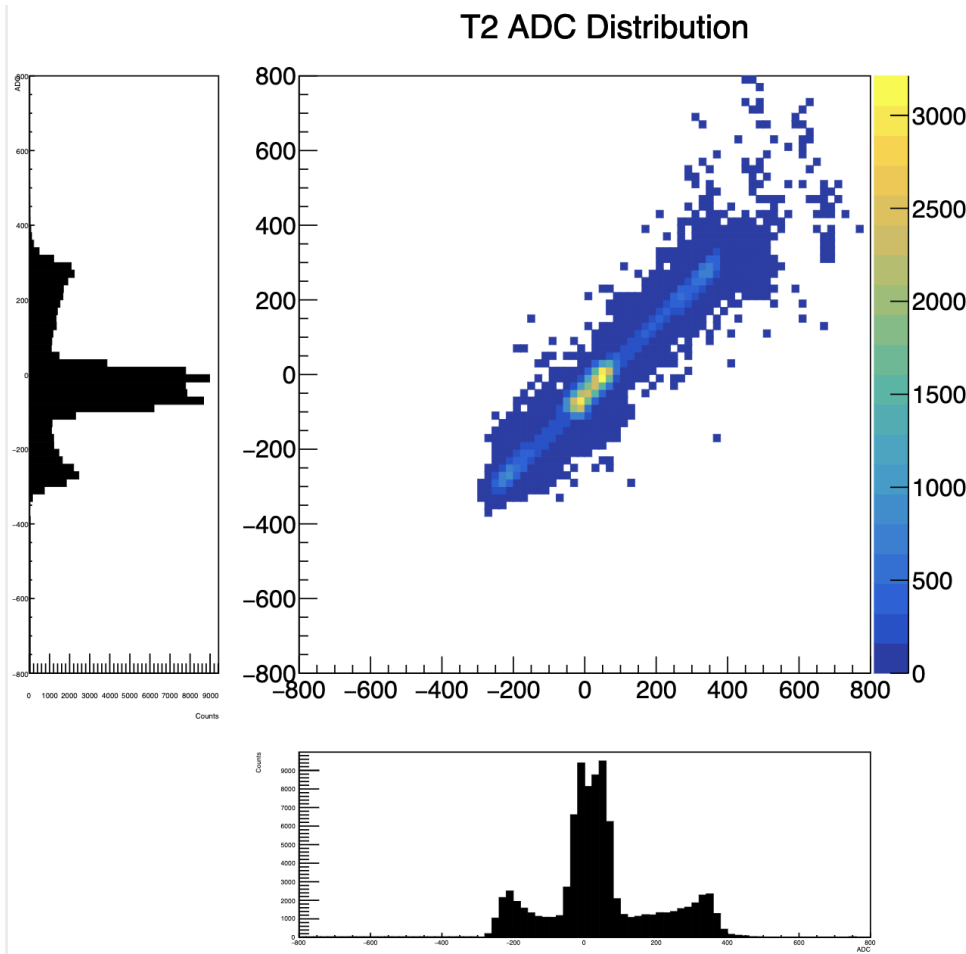
Tracking Z-Y



PWO ADC Distribution



Beam Monitor



Summary

- Need to check PWO whether is single crystal fire.
- The BM2 is single fire, but BM1 is multiple.
- The ADCmax tracking have problem.