

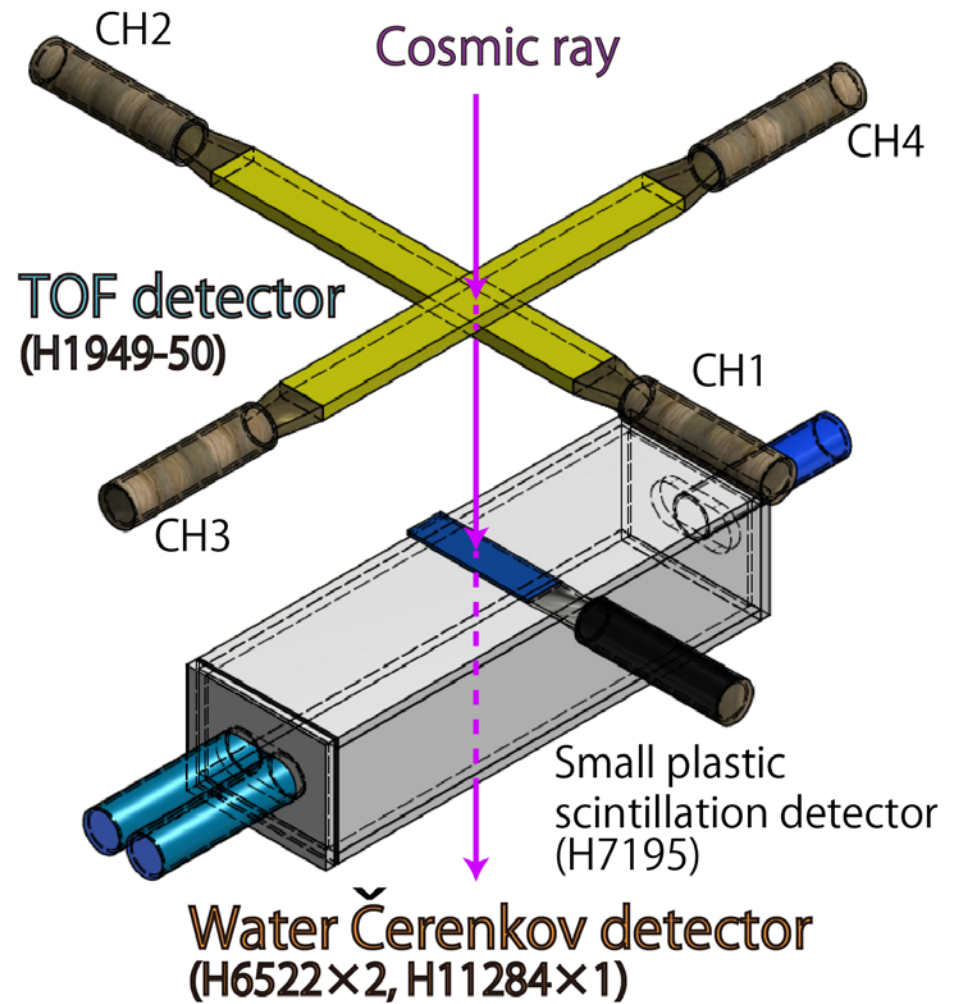
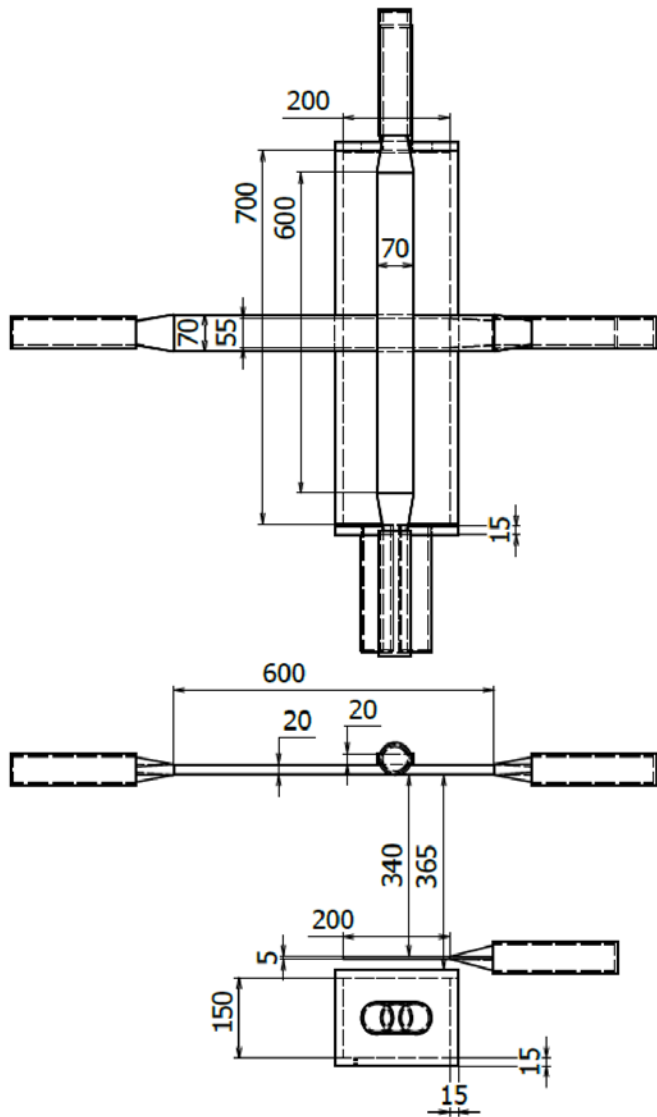
Water Cherenkov detector N.P.E.

Toshi Gogami

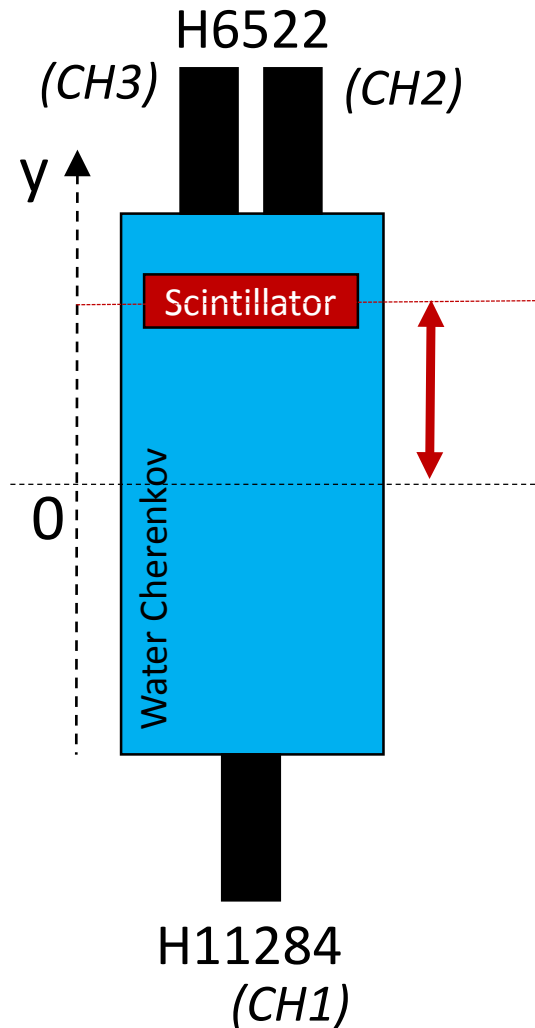
Contents

Number of Photo Electrons with Water Cherenkov detector

Experimental setup

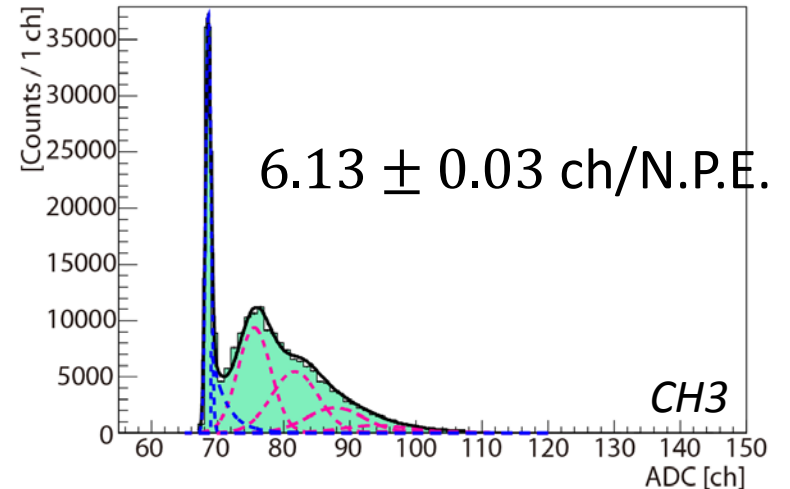
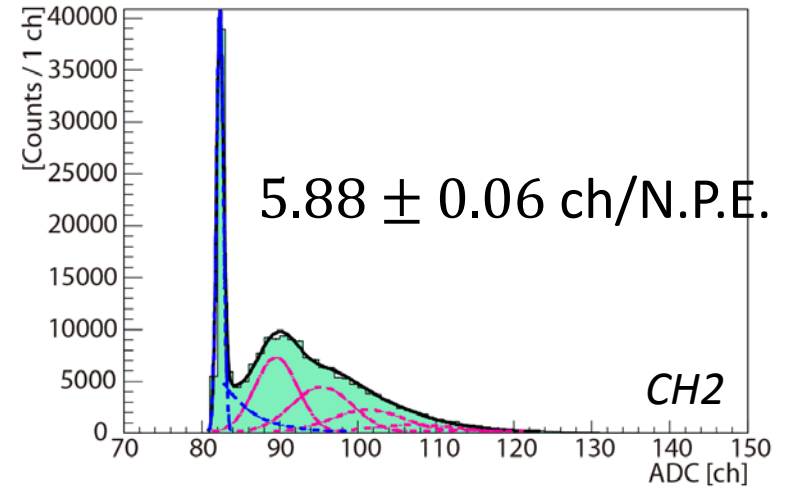
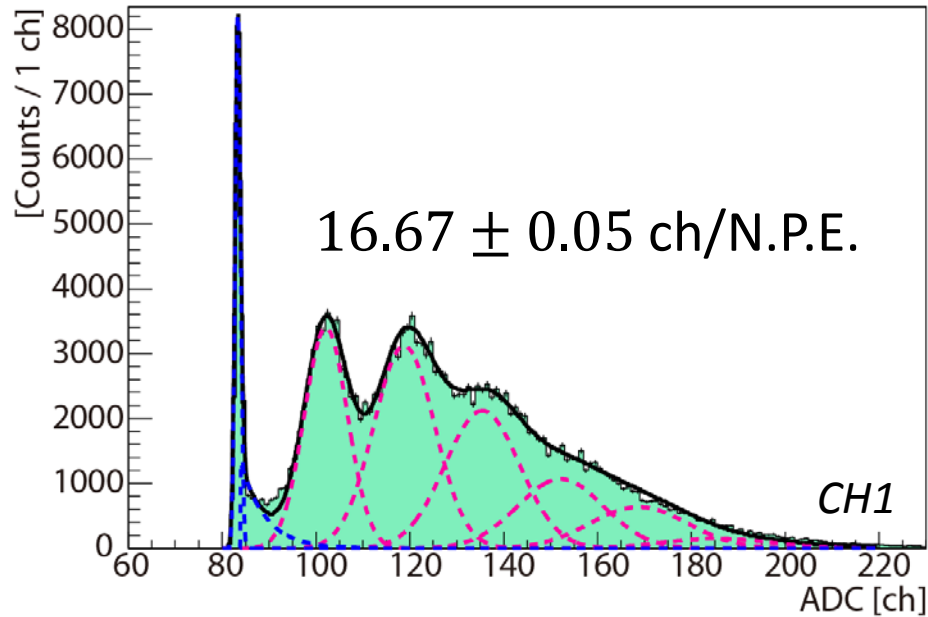


Coordinate definition

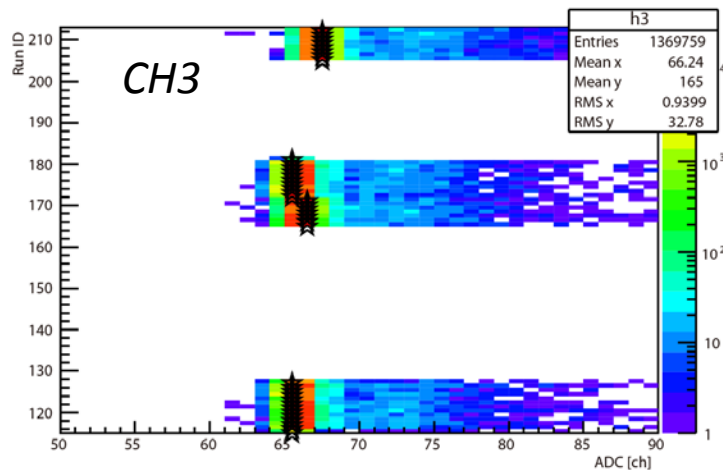
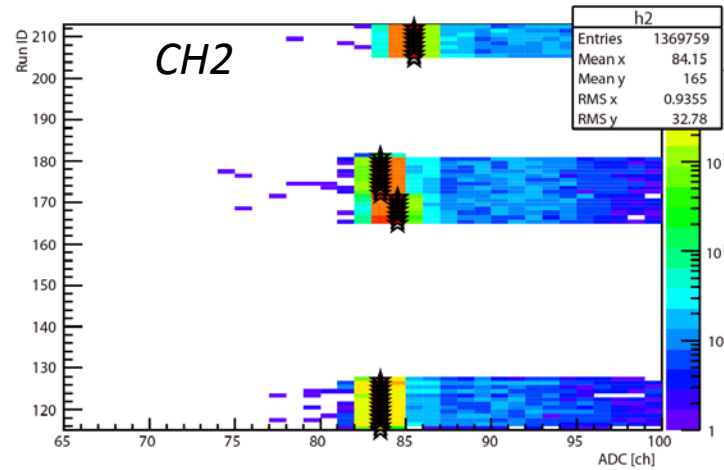
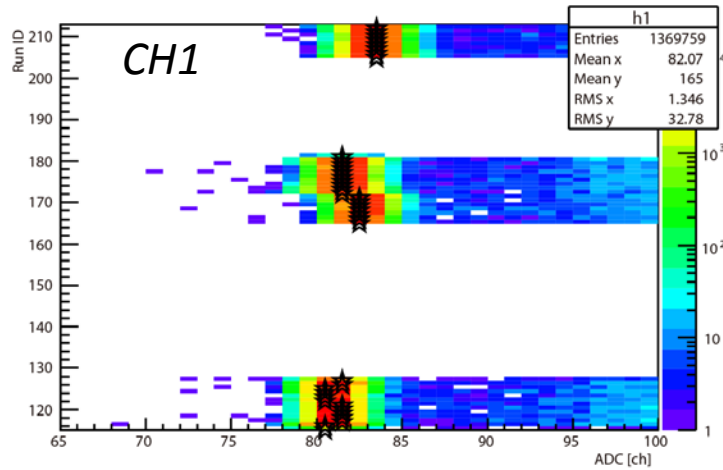


Data were taken with
 $y = -25.0, -12.5, 0.0, 25.0$ cm

Calibration with LED data

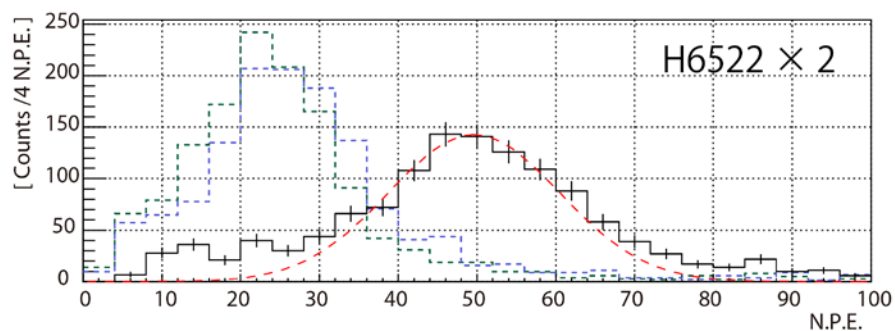
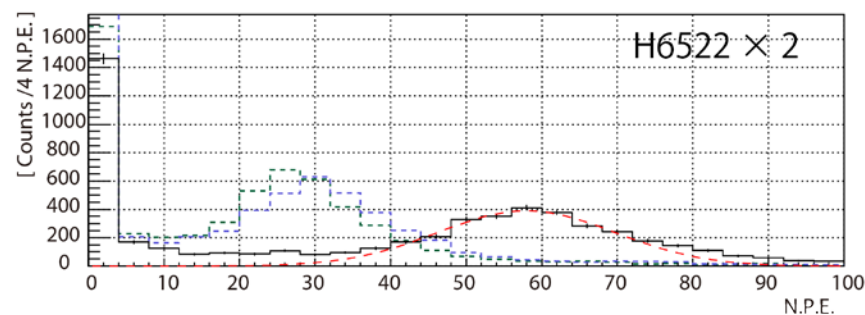
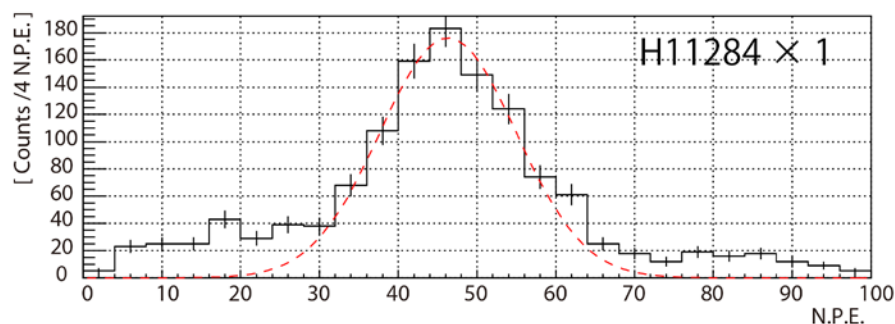
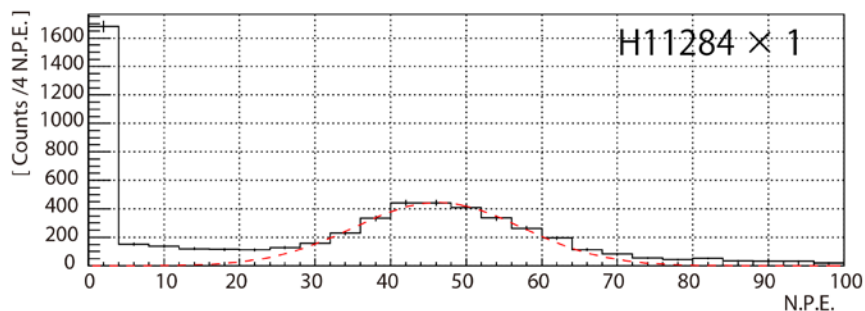


Pedestal movement



Pedestal parameter was applied for run by run.

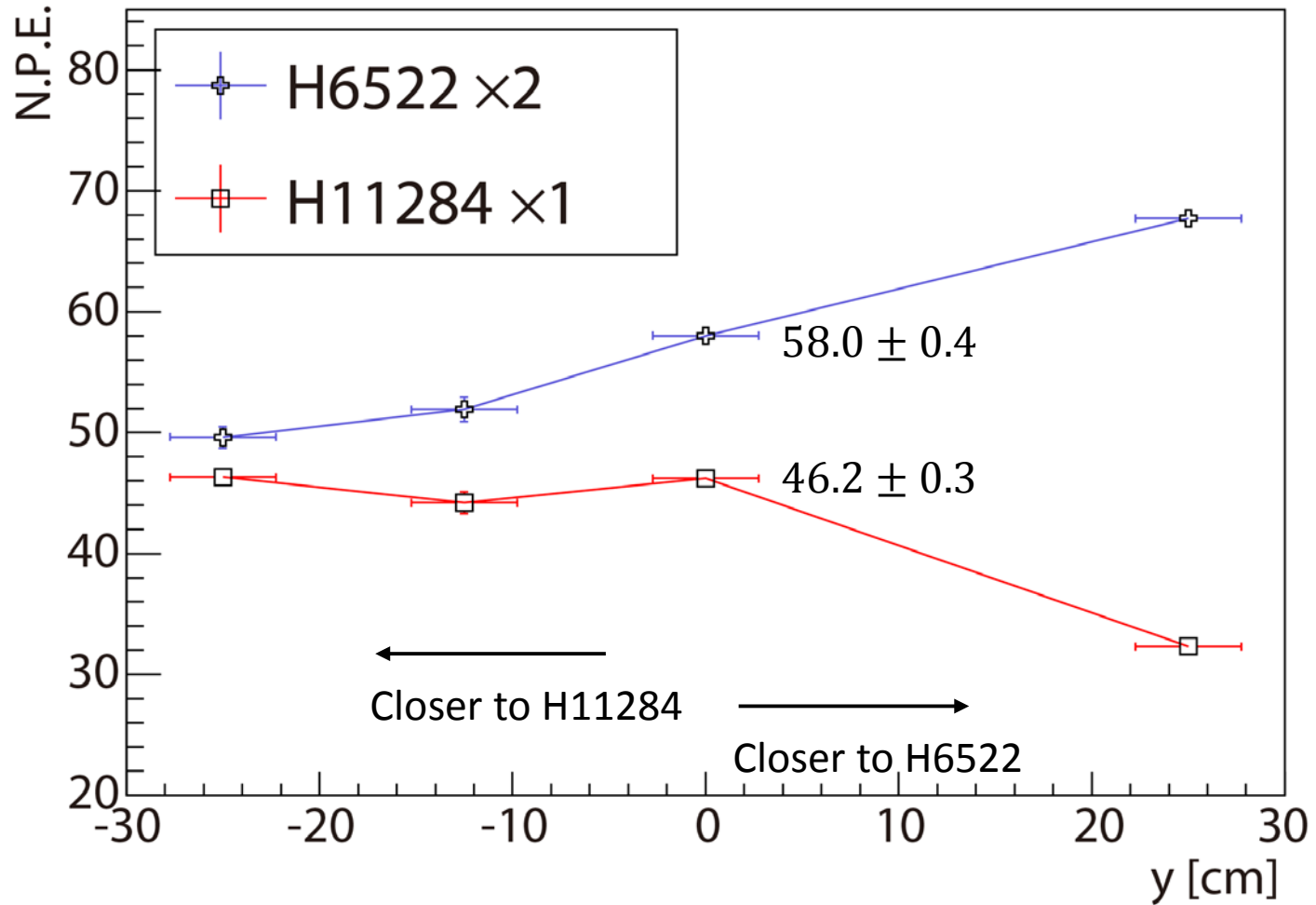
ADC \rightarrow Number of Photo Electron



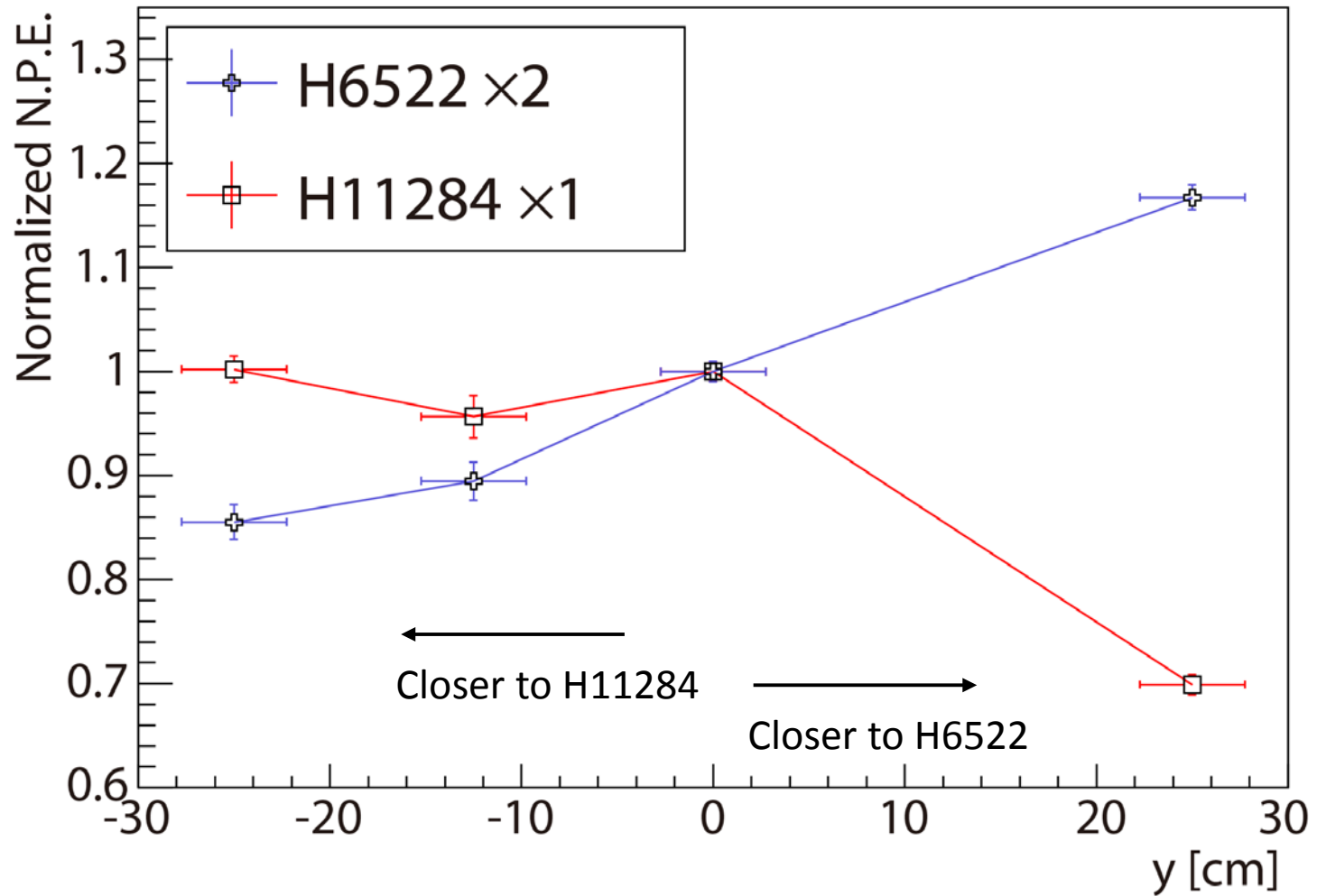
$y = 0.0$ cm
without WC TDC cut

$y = -25.0$ cm
with WC TDC cut

Results (Absolute value)



Results (Relative value)



Summary

N.P.E. test with cosmic ray

- H6522 × 2 : 58
- H11284 × 1: 46