

Quadbar Testbeam Data

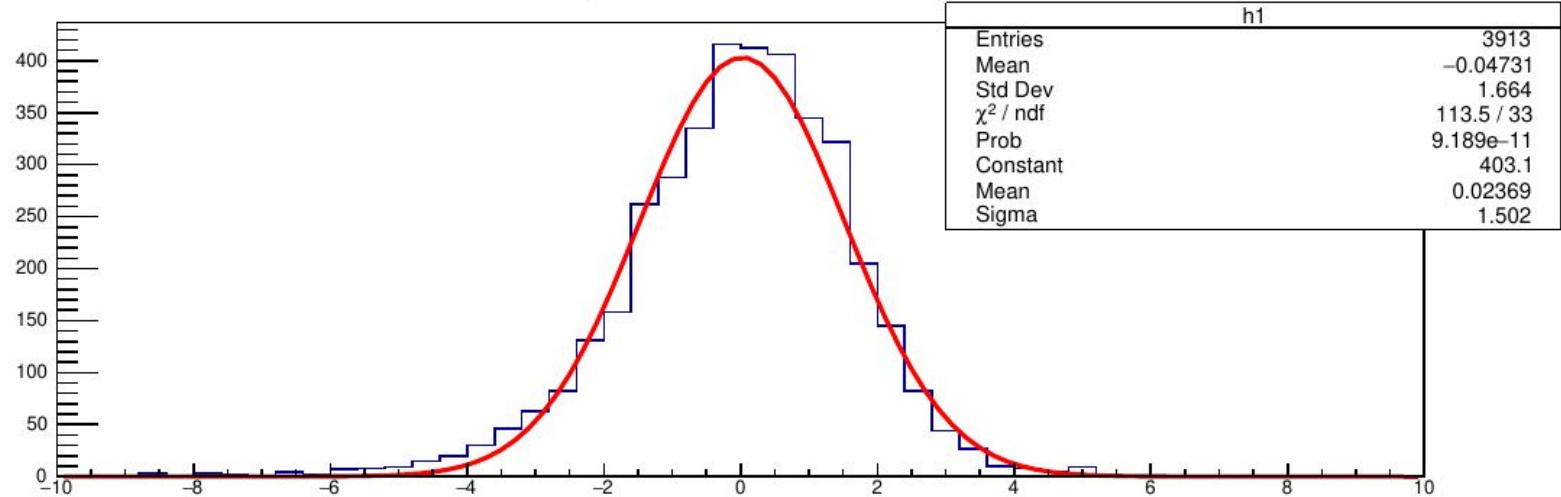
Correspondence between position as indicated by wirechamber vs. position calculated from SiPM counts of adjacent quadbar cells

Position reconstruction from SiPM counts

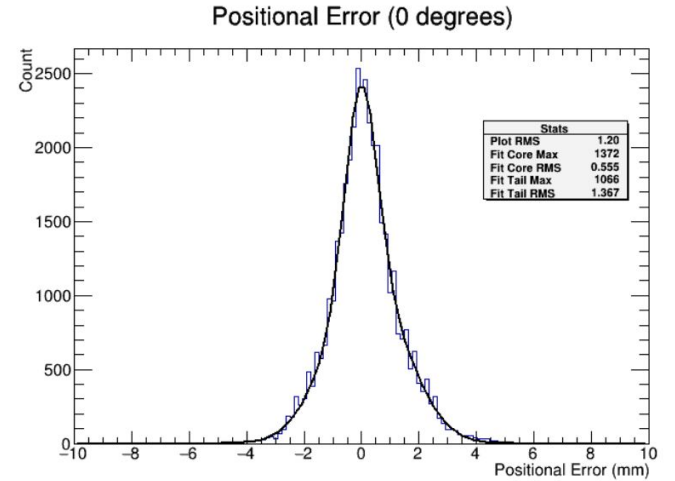
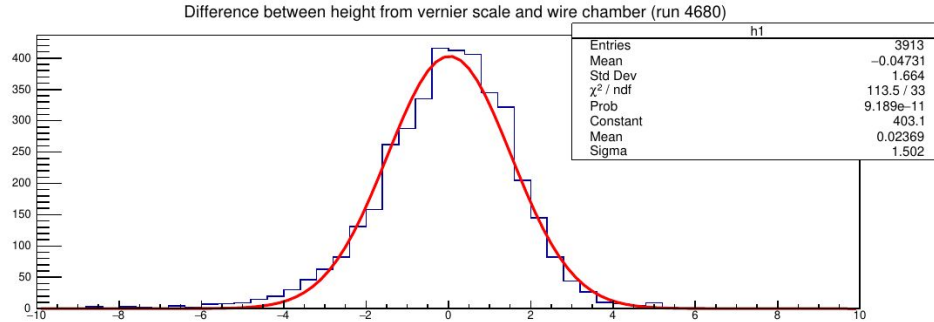
$$Z = P_2 + \Delta Z = \frac{E_1 P_1 + E_2 P_2}{E_1 + E_2}$$

Discrepancy in position

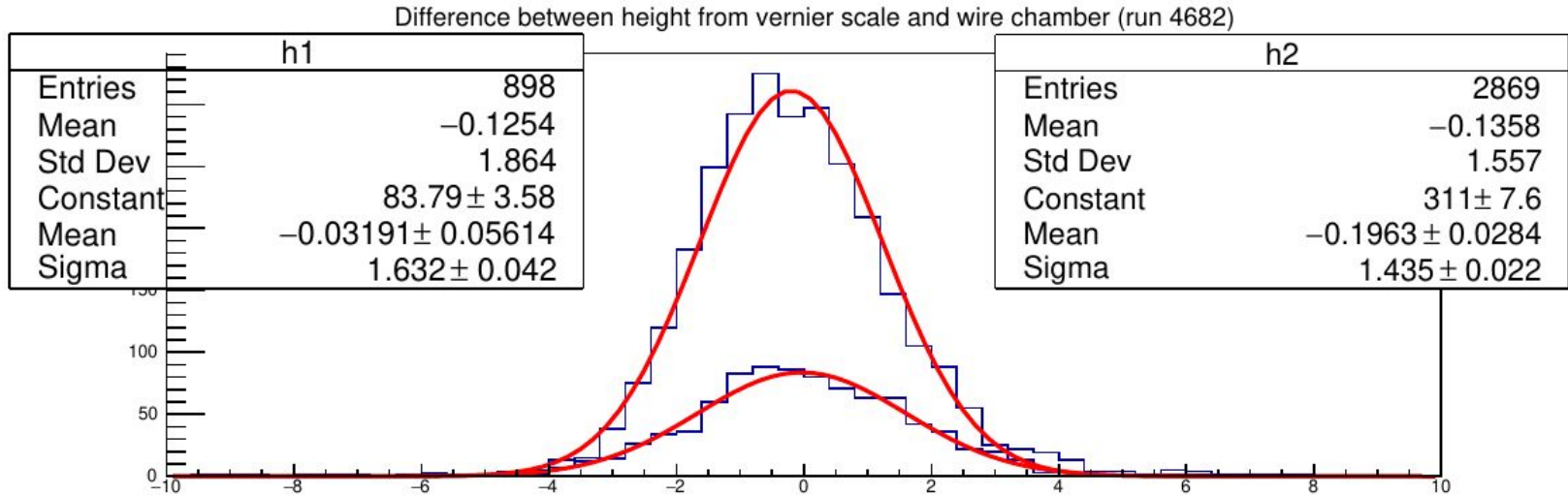
Difference between height from vernier scale and wire chamber (run 4680)



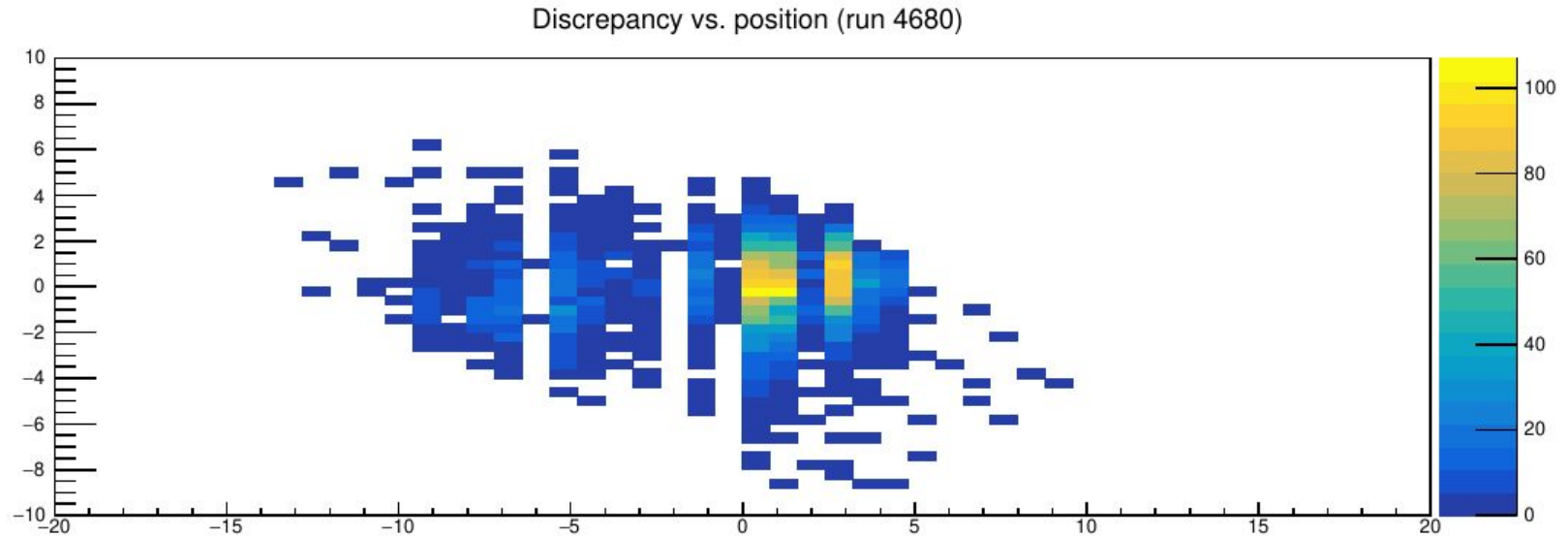
Comparison to simulation results



Discrepancy in position (mostly on the edge of triangles)



Discrepancy plotted against position



Discrepancy plotted against position (across an edge)

