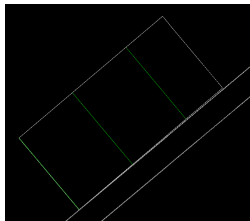
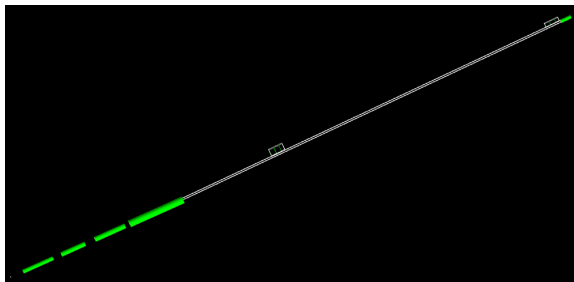


Low Q^2 Tagger With just central beampipe

Simon Gardner
University of Glasgow
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EPIC Far Backwards Meeting
25 August 2022

Simulation Layout



Changing steel wall width

Beam angle: 0.01808 rad

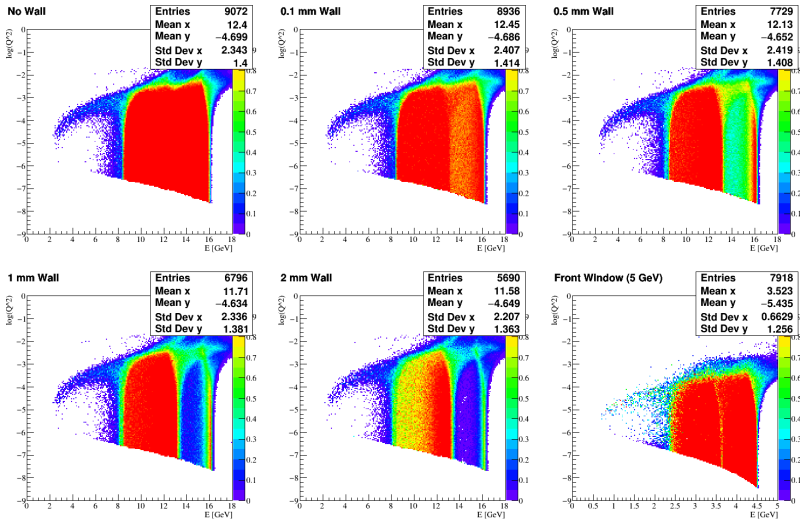
Tagged electron angles: 0.041 $\rightarrow$ 0.02 rad

Relative to beampipe: 0.023 $\rightarrow$ 0.002 rad

Thickness traversed: $\frac{\text{pipe wall thickness}}{\text{angle}}$

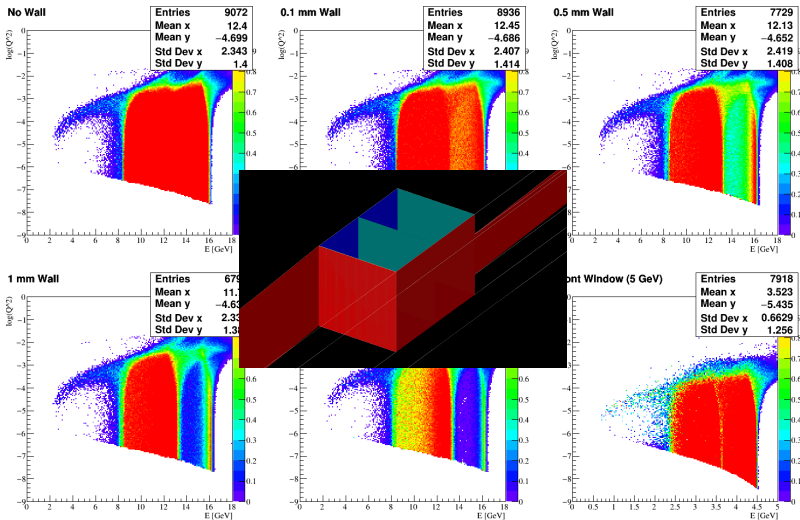
Thickness traversed @ 1mm: 4.3 cm $\rightarrow$ 50 cm

Acceptance



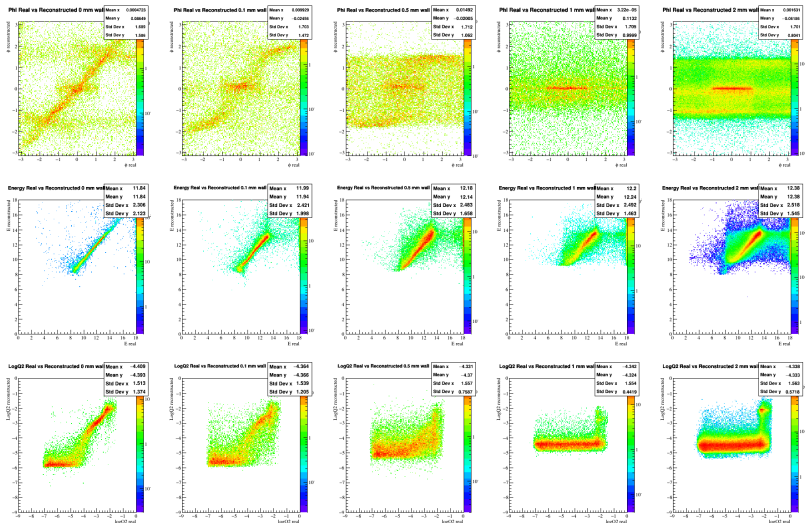
Any hit in three tagger layers

Acceptance

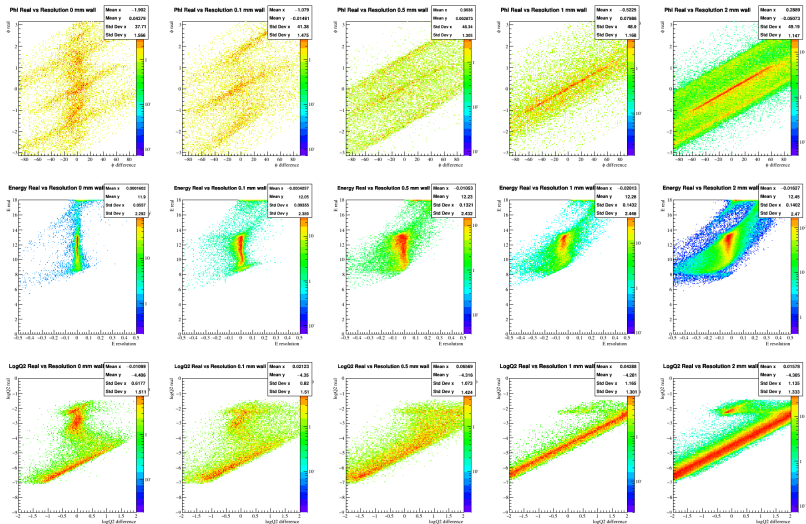


Any hit in three tagger layers

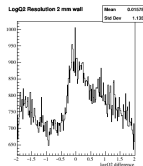
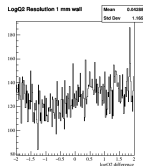
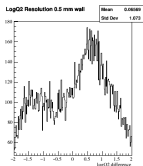
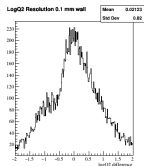
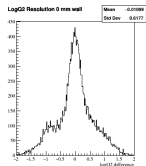
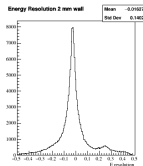
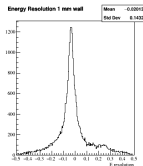
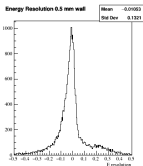
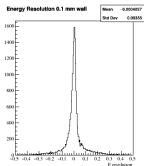
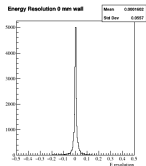
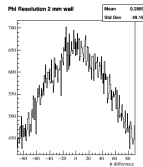
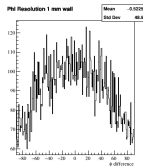
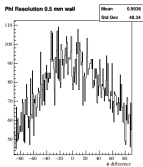
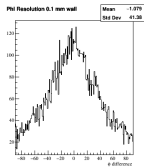
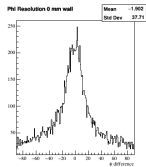
Tagger 1 resolutions



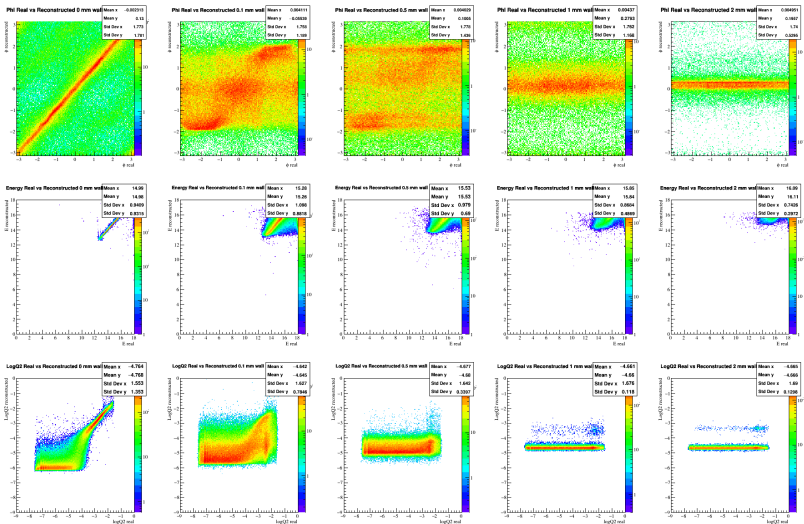
Tagger 1 resolutions



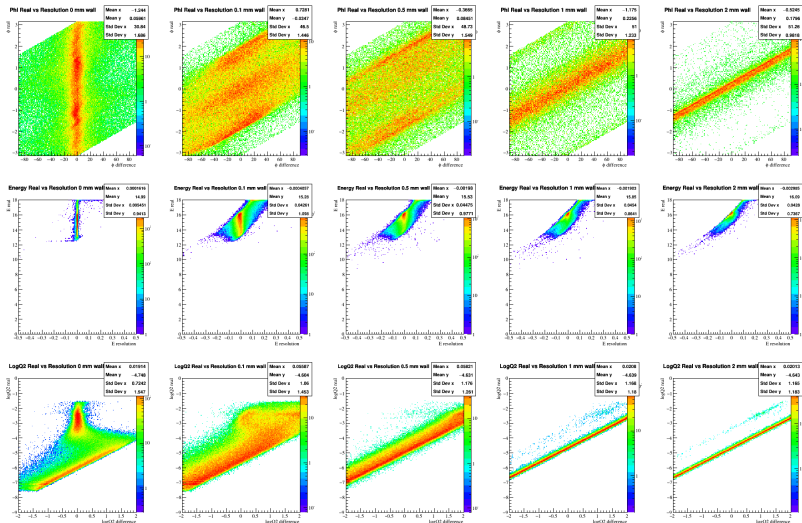
Tagger 1 resolutions



Tagger 2 resolutions



Tagger 2 resolutions



Tagger 2 resolutions

