

Cluster Widths for Heavy Ions: First Look

Leon R.

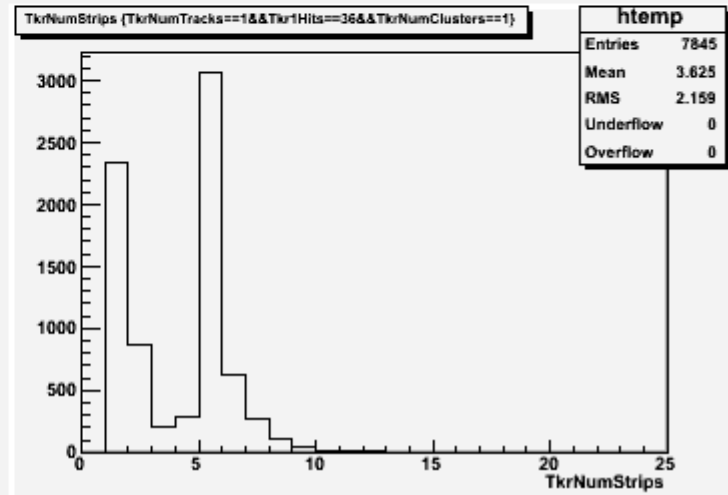
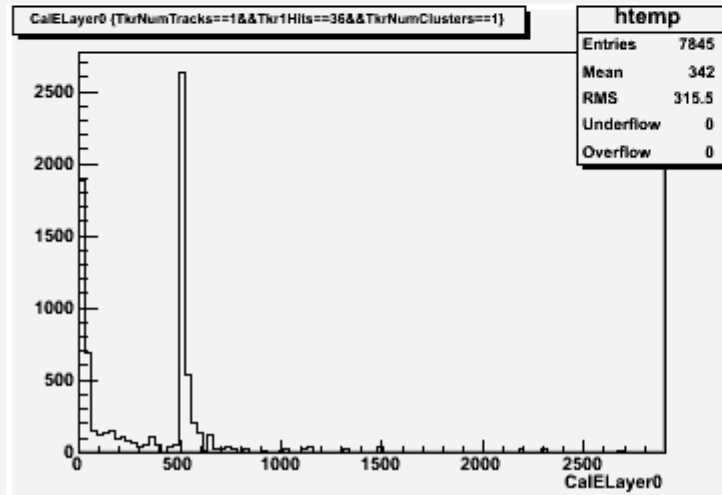
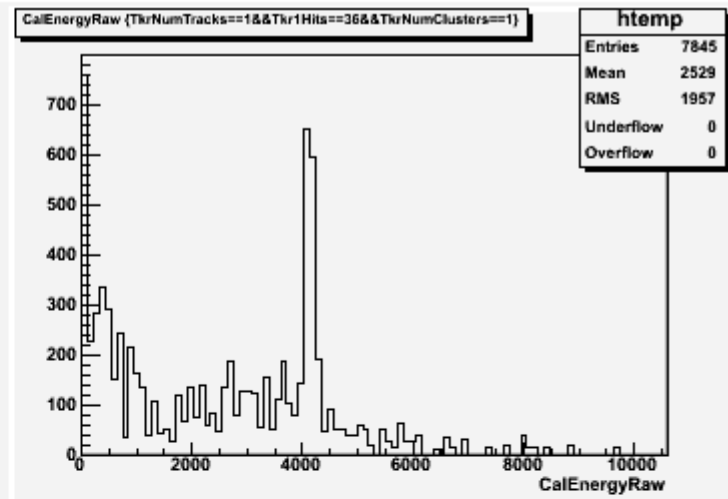
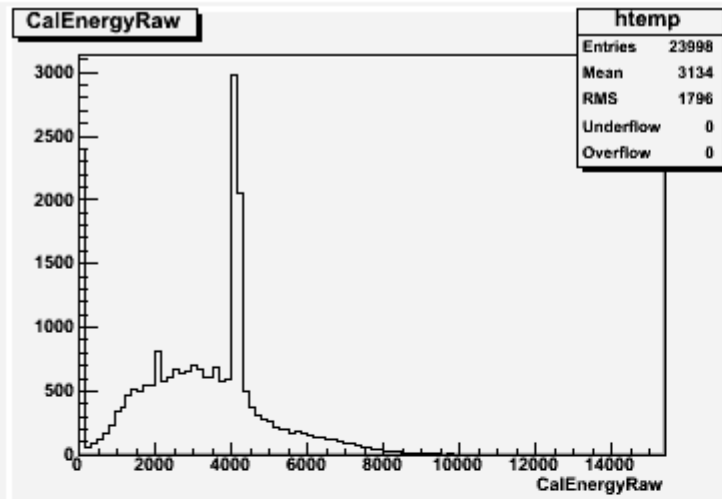
Beamtest Vrvs Meeting

22-Nov-2006

0° C⁶⁺ (Run 2522)

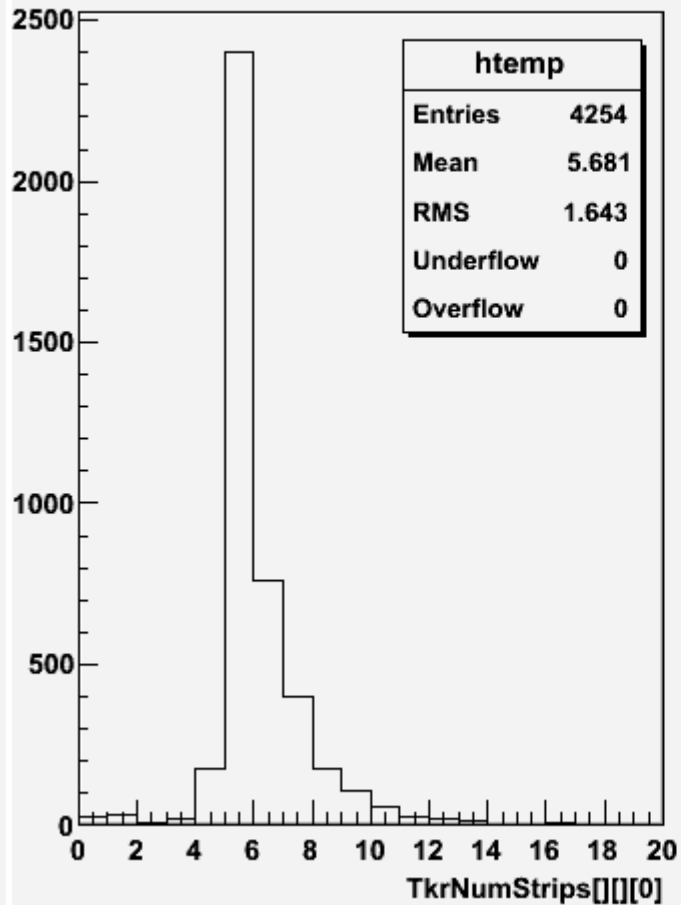
- Track Cuts
 - 1 track
 - 36 TrackHits
 - Planes with 1 cluster
- Calorimeter Cuts
 - Layer 0 energy consistent with C⁶⁺

Cuts Plots

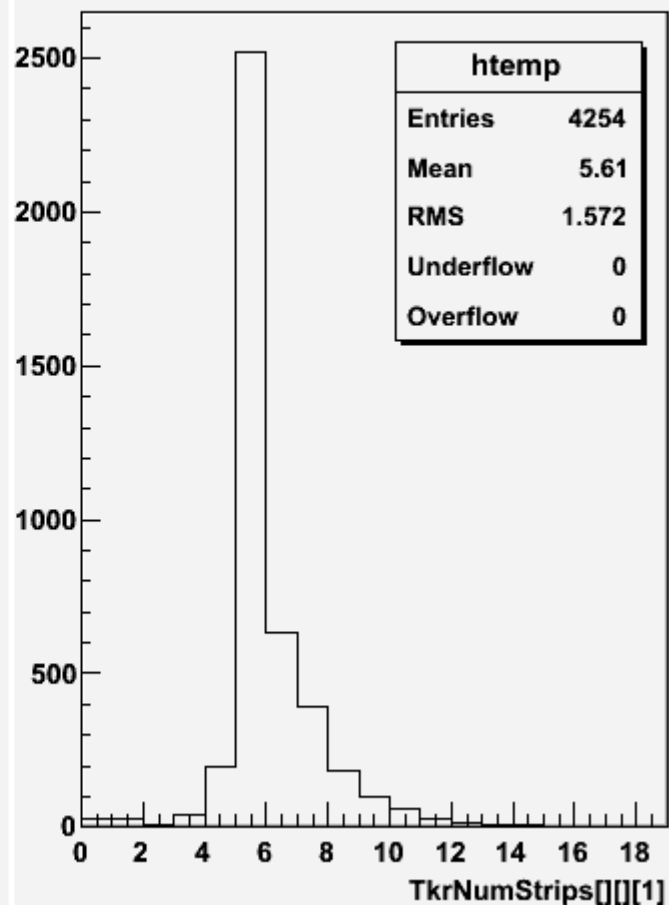


Cluster Width Distribution

Cluster Widths in X Layers, track and E cuts



Cluster Width in Y Layers, track and E cuts



Next

- C^{6+}
 - Same for 30° , 60° (or use clusters on track)
- Xe^{54+}
 - Not yet explored in detail
 - Very wide clusters (15-25 strips!)
 - Single particles or tight core?
 - Cluster width vs plane
- Compare to MC