

Trigger ideas for ECAL SoLID EC meeting

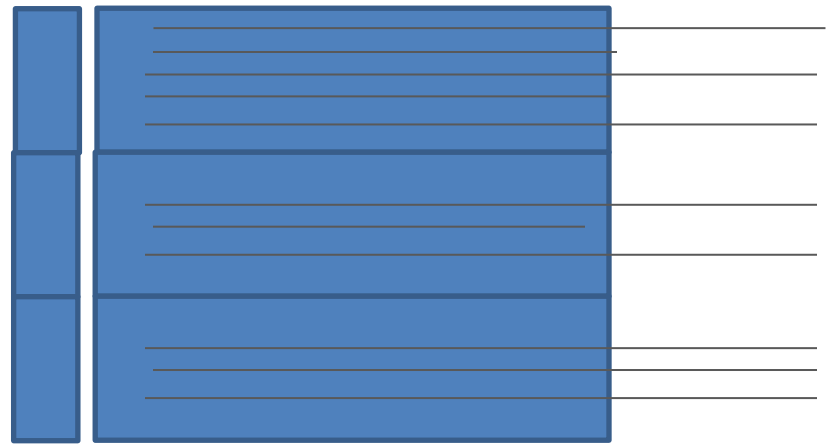
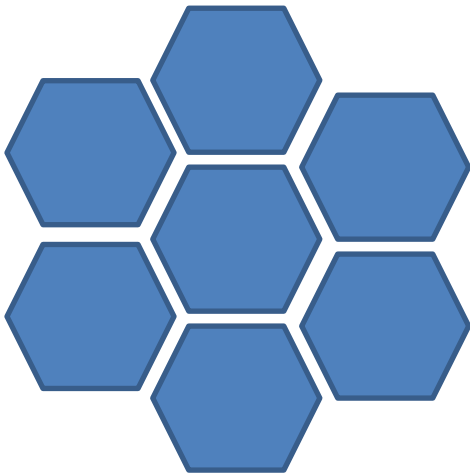
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August 28th 2013

Problem

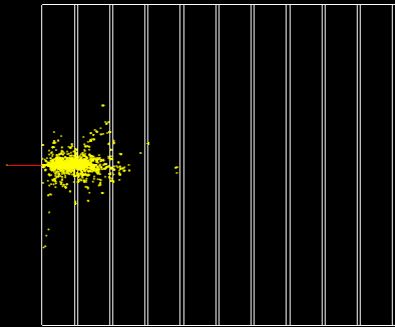
- Pion rate is 100 MHz
- Accidental

Energy sharing between blocks

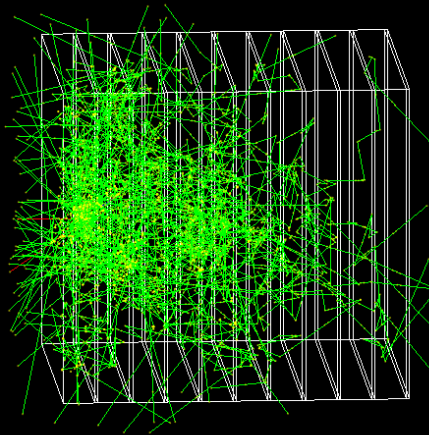


Pion vs electron shower

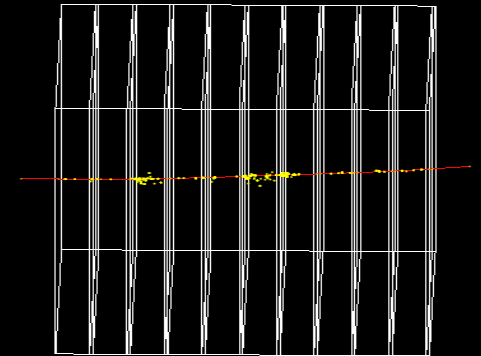
2.5 GeV Electron



2.5 GeV pion



3 GeV muon (only dE/dx)



Additional quantities

- Compute sum all sum of 3 and take highest one and do ratio on sum of 7
- Maybe look at bigger sums and single block
- Need to check separation e/π of this quantity
- Need to check efficiency and pion rejection

Could use shower depth information

