Studies with 2004 testbeam

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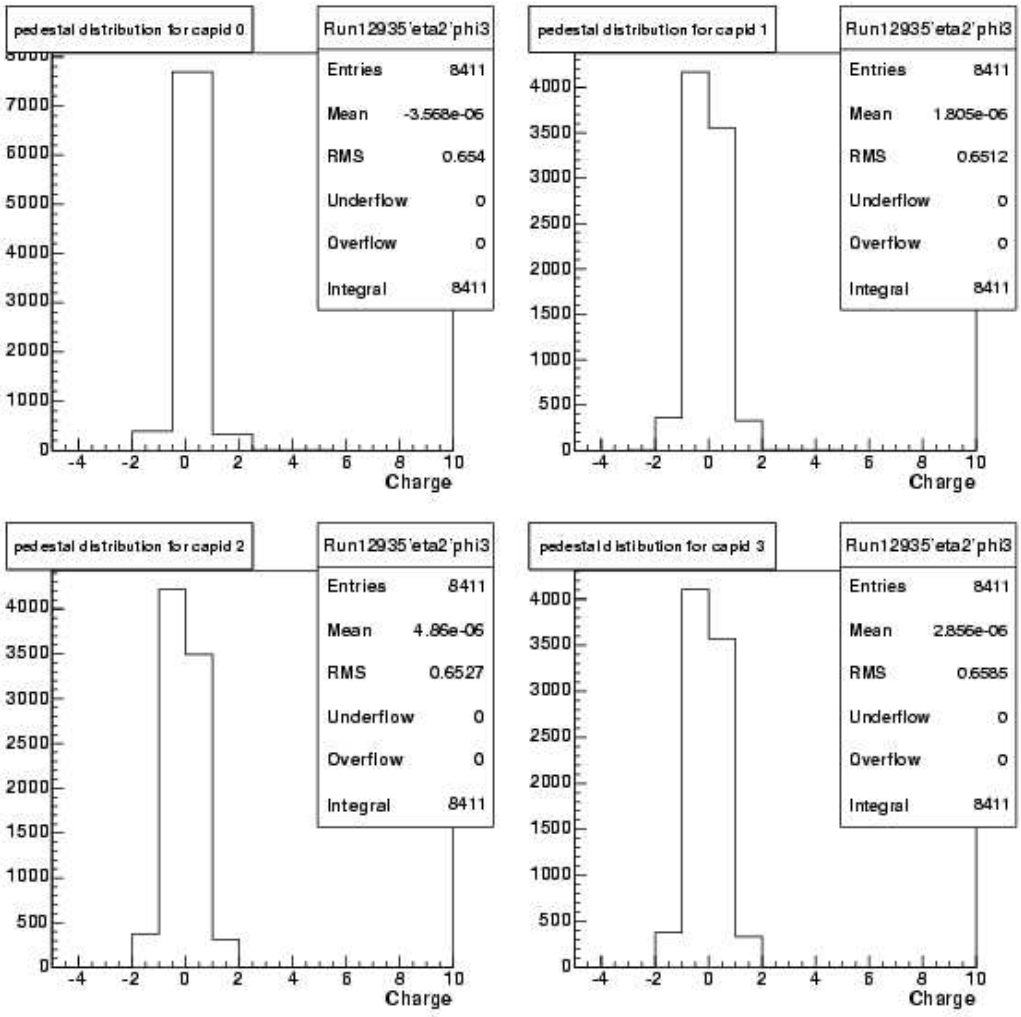
CMS

Pedestal Spread

4 capID Ring 0



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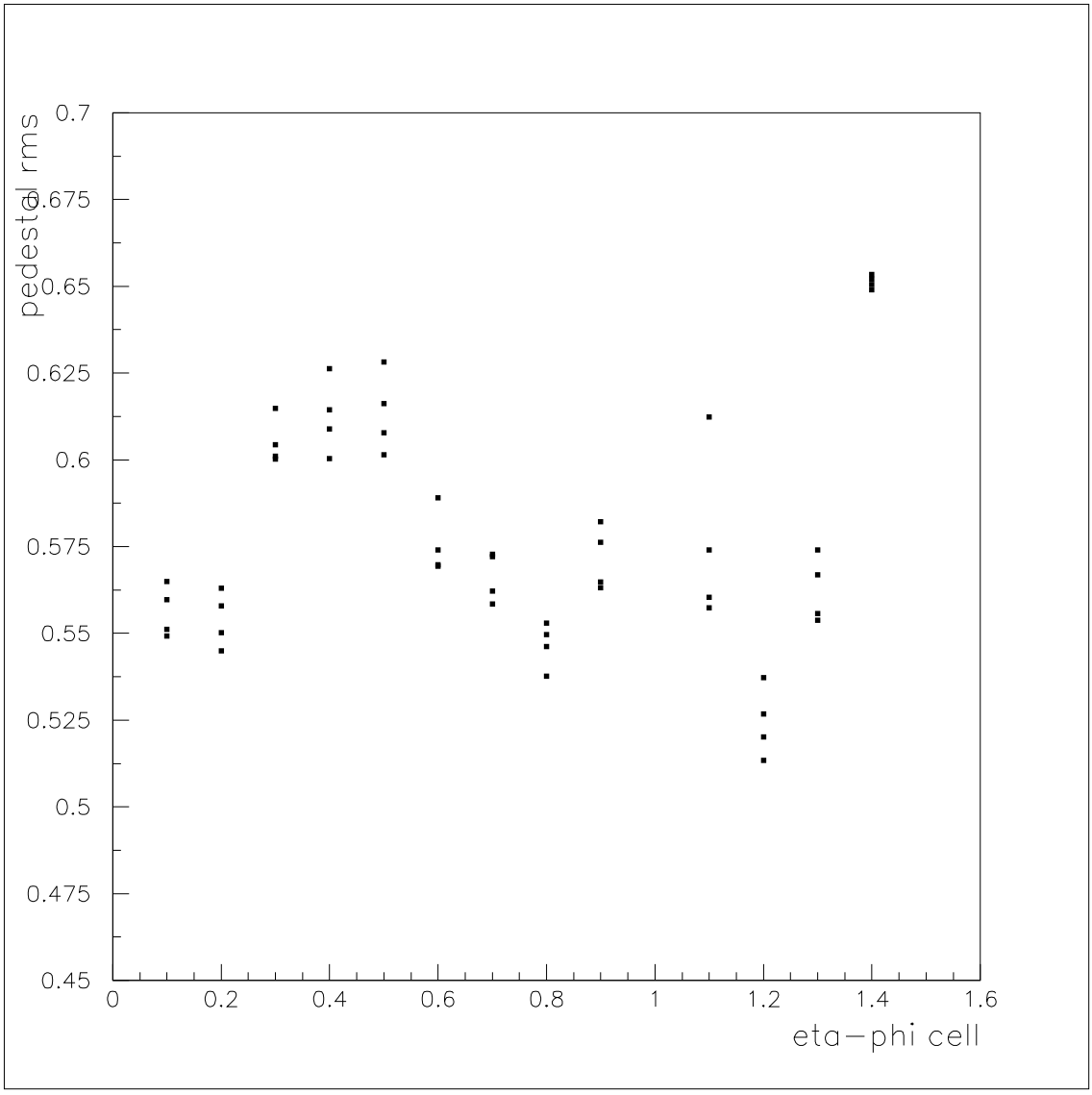
Pedestal Spread

Adding 4 time slices Ring 0



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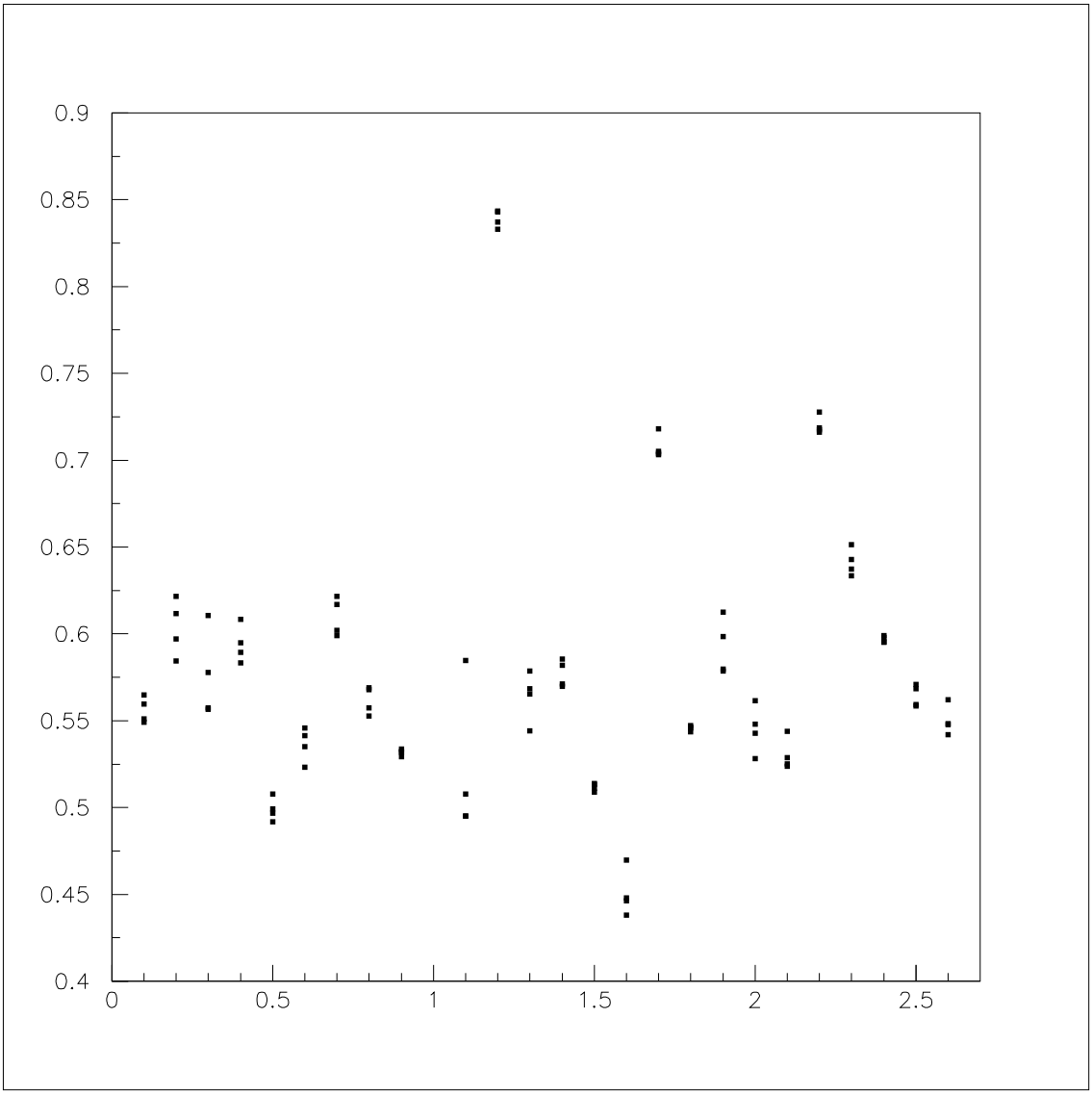
Pedestal Spread

Adding 4 time slices Ring 1



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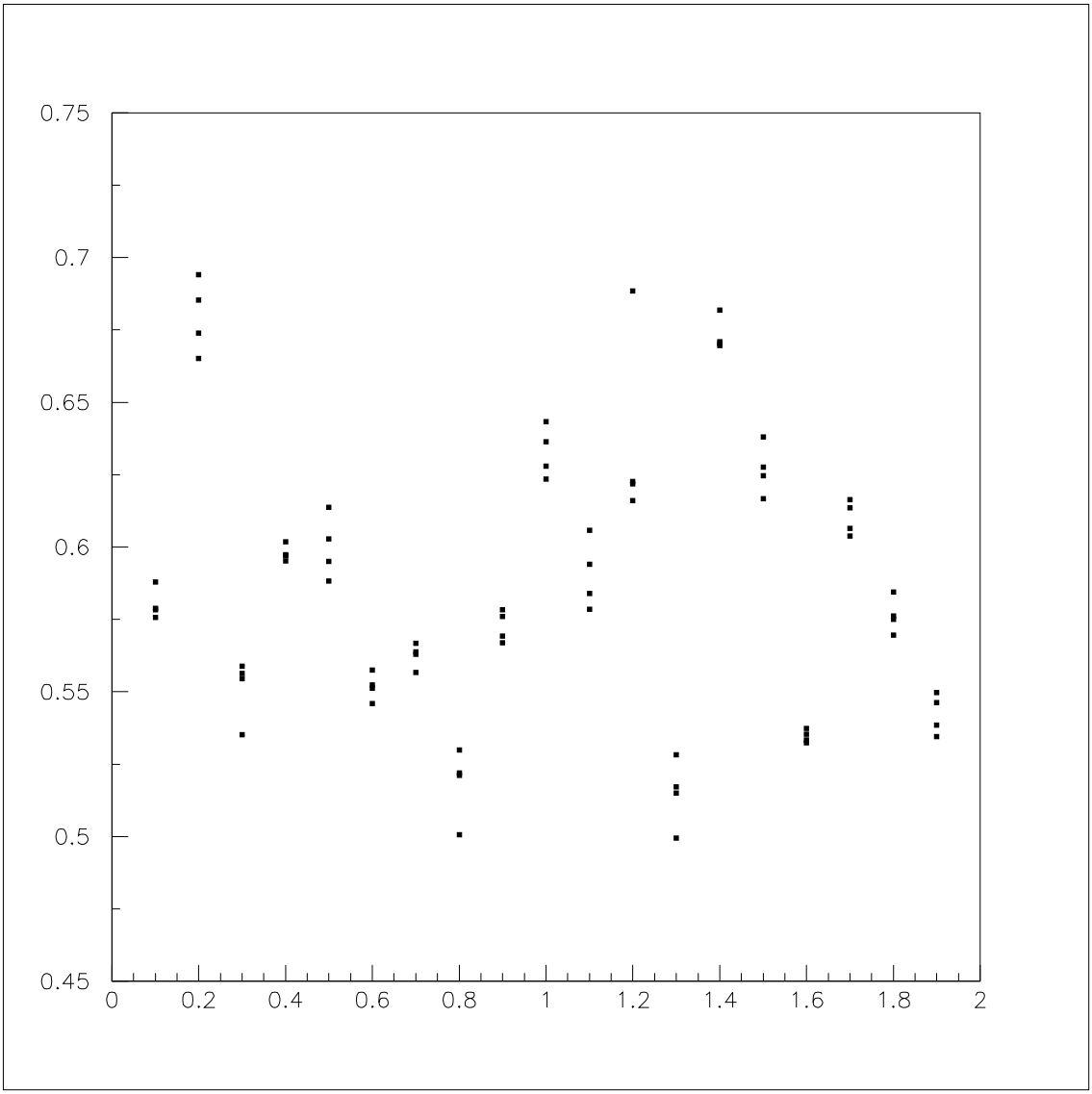
Pedestal Spread

Adding 4 time slices Ring 2



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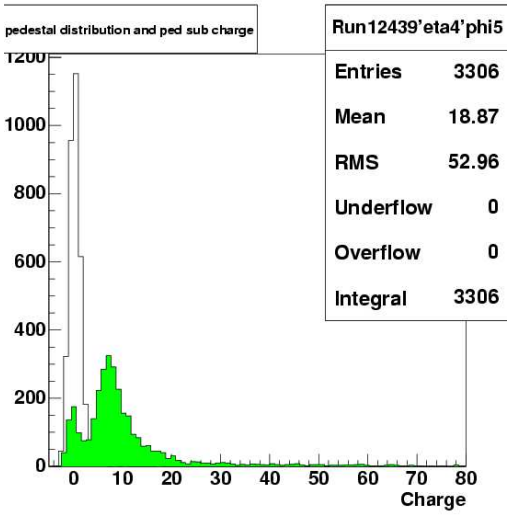
Results from a 150 GeV muon run

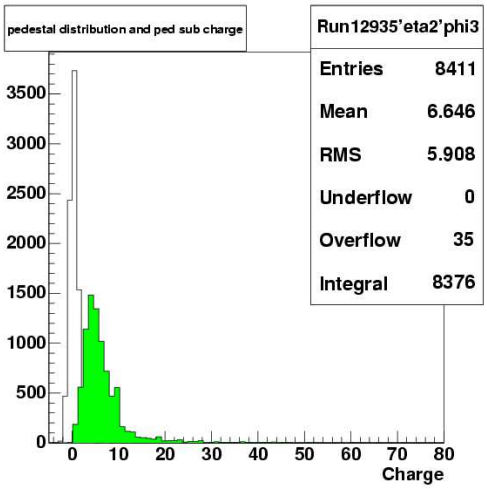
Run 12439, muons not centerd at the tile ??

η=4, *phi*=5, Ring 0.

Signal and Pedestal, 4 time slices



η=2, *phi*=3, Ring 0, Run 12935, looks good



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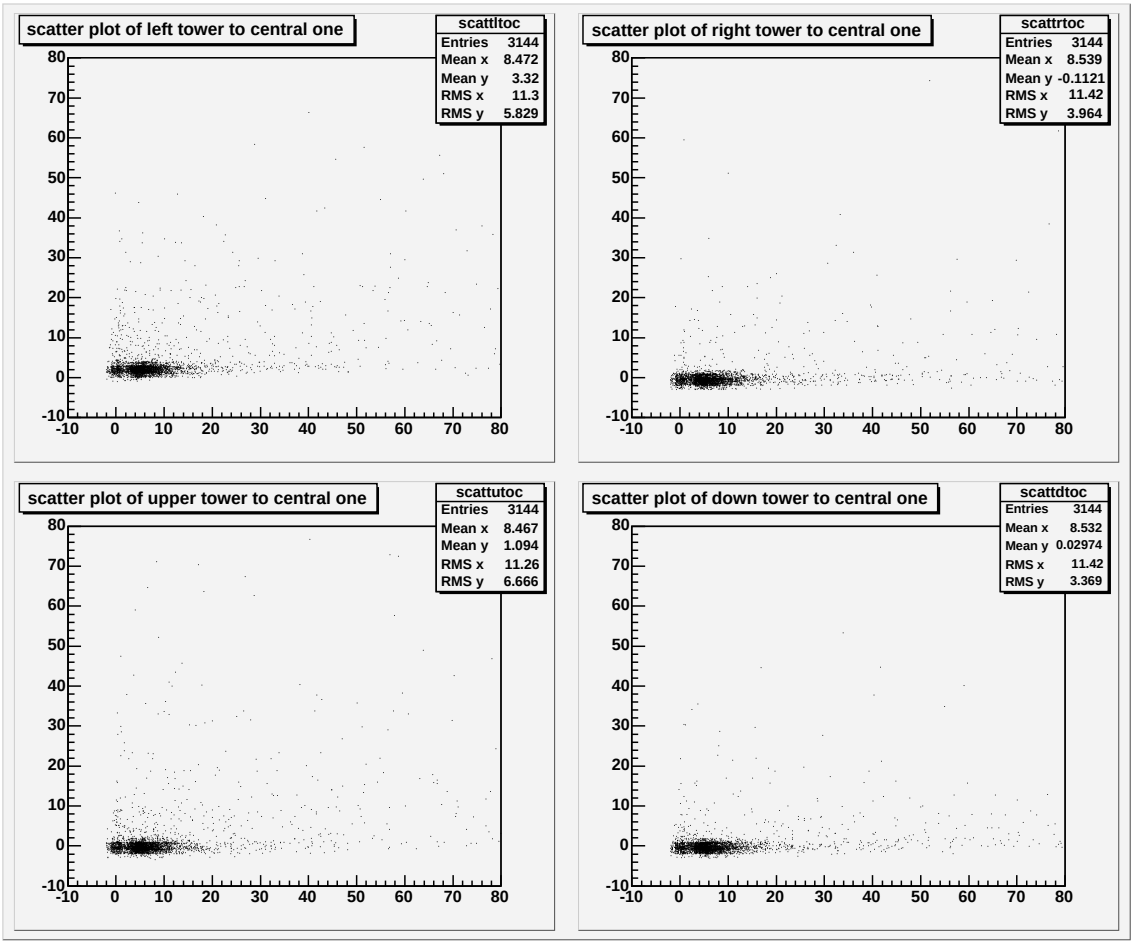
Scatter graphs of central tower to surrounding towers(problematic one)

Some of the high energy events shifted to left tower of central one



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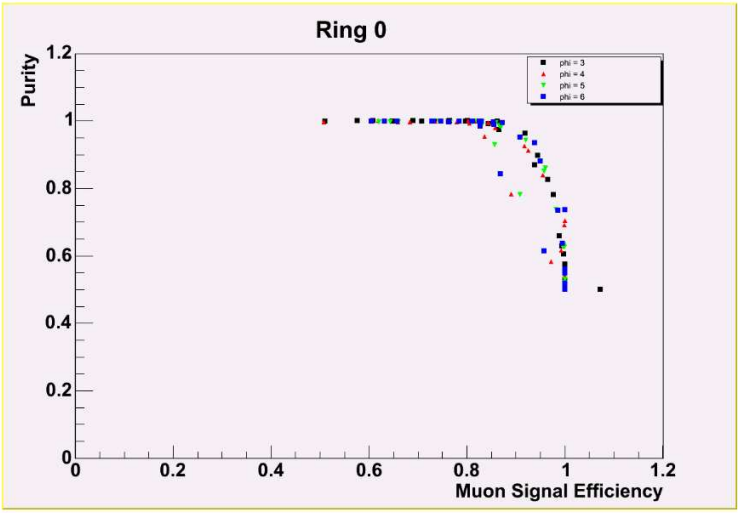
Efficiency vs. Purity, Ring 0 –
Should look better if later runs are used, but not all tiles were exposed for the later runs.



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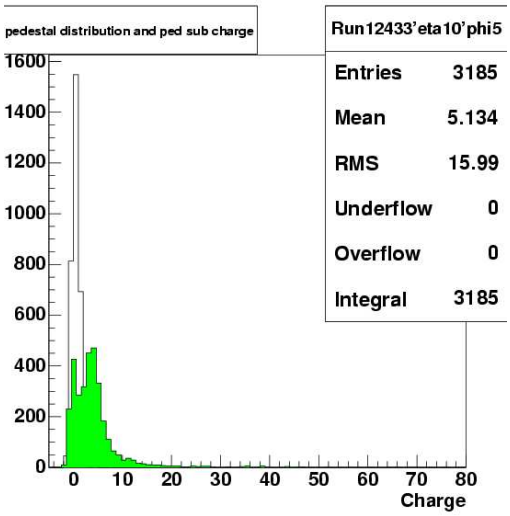
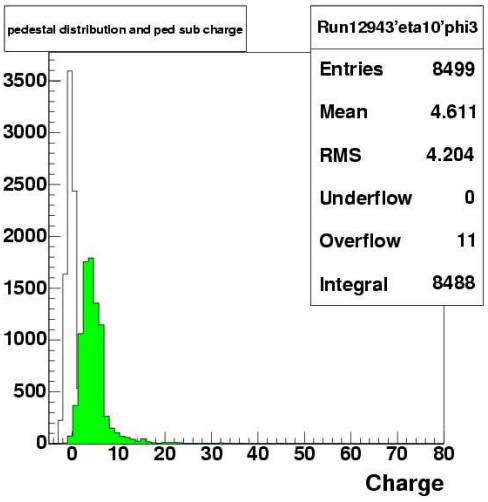
150 GeV muon run, tile nearest to connector

Signal and Pedestal, 4 time slices η=10, phi=5, Ring 1, Run 12433, not correct



η=10, phi=3, Ring 1, Run 12943, looks good



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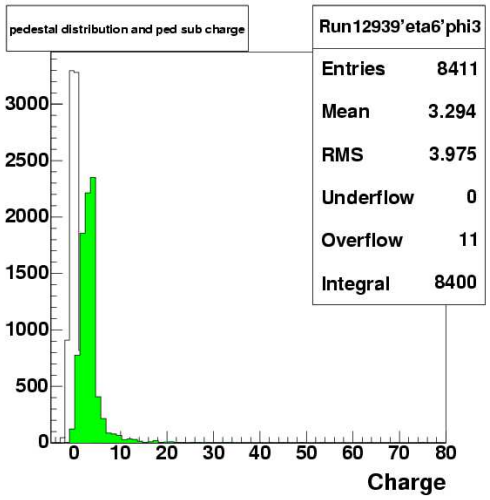
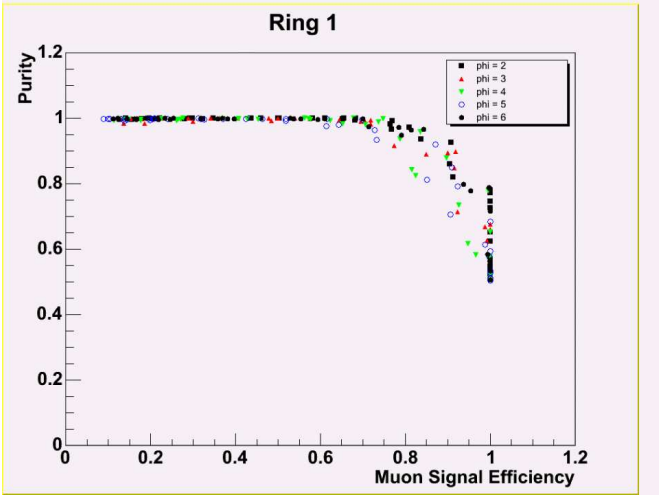
η=6, *phi*=3, Ring 1, Run 12939, looks good

Tile far from connector



Efficiency vs. Purity with the earlier run set



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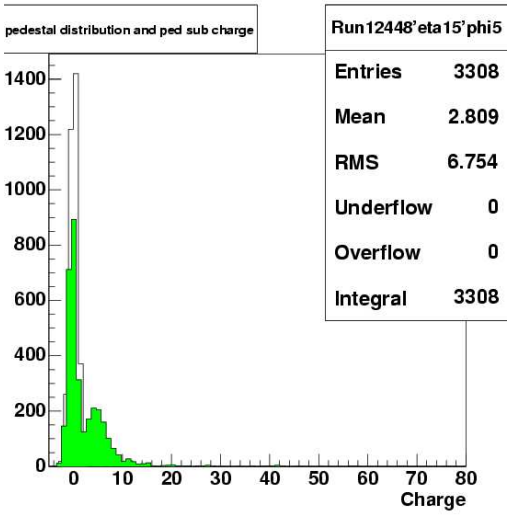
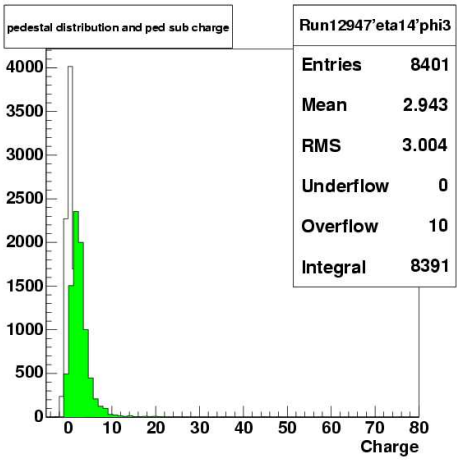
150 GeV muon run, tile farthest from connector

Signal and Pedestal, 4 time slices η=14, *phi*=5, Ring 2, Run 12447, has problems



η=14, *phi*=3, Ring 2, Run 12947, looks good



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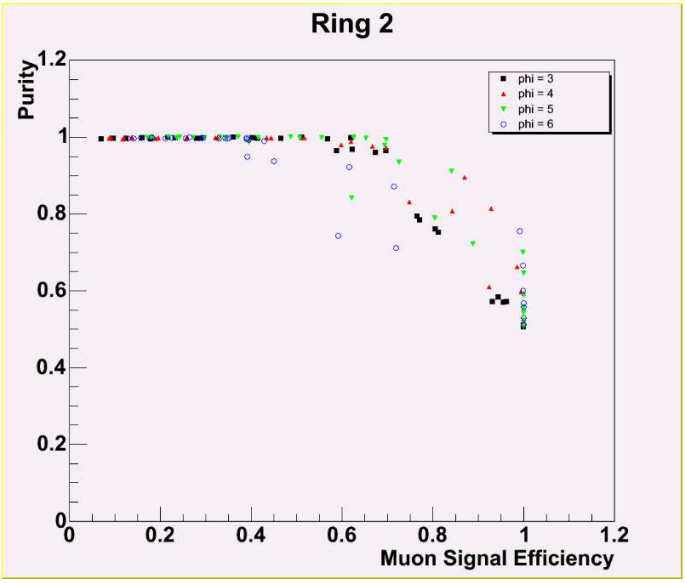
Efficiency vs. Purity
could look better with later runs



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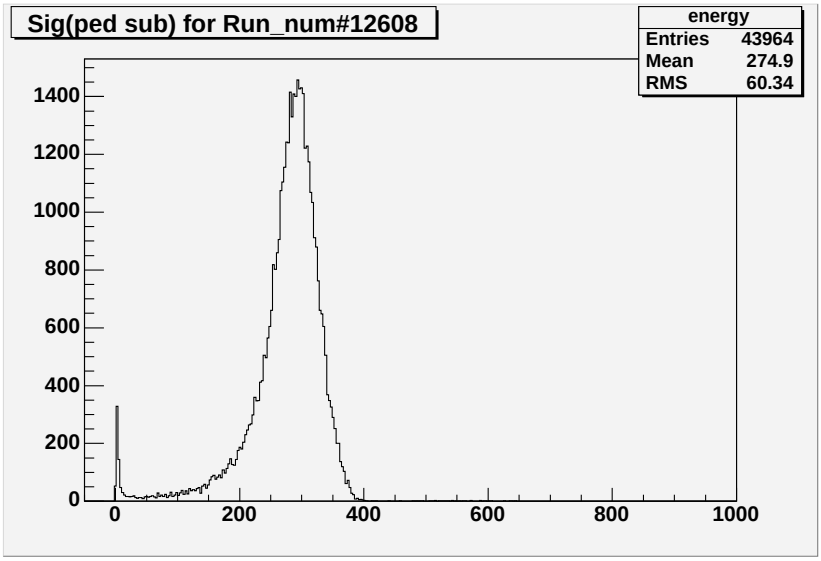
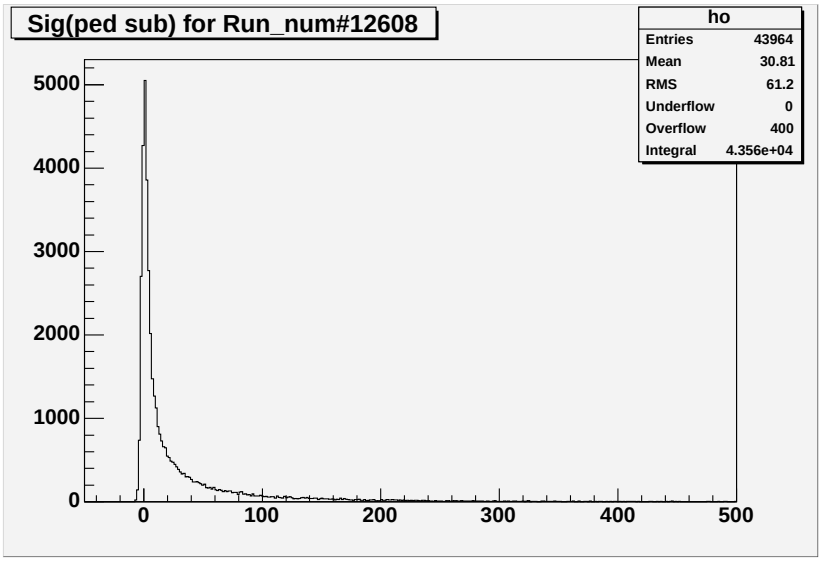
Results from a 300 GeV pion run

Energy in HB2 (all layers) η=7, phi=6



Energy in HO (MIPS)



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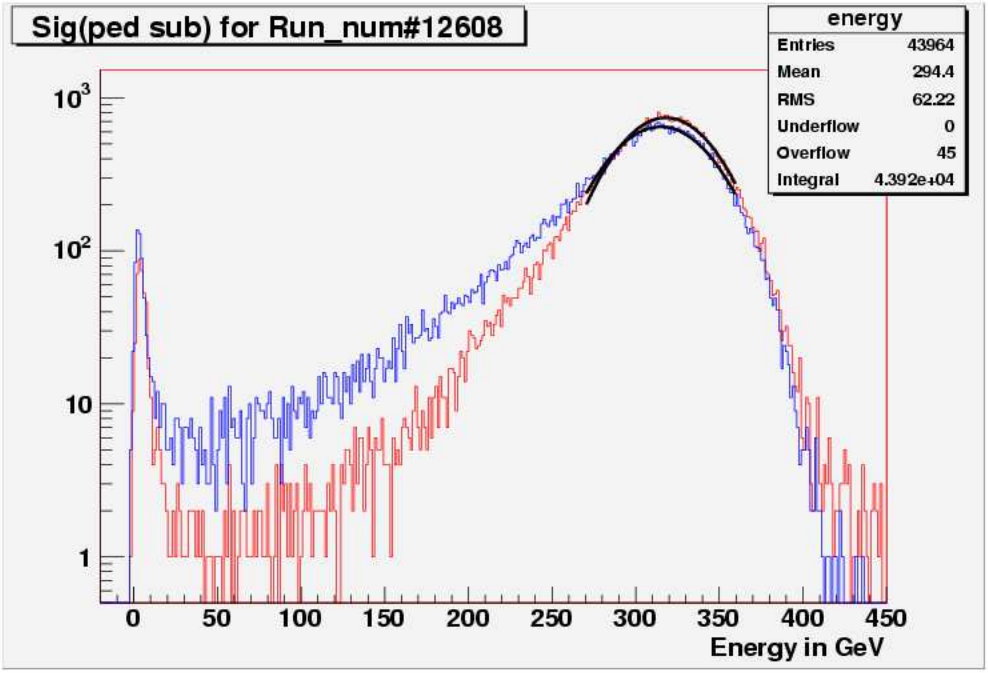
Result from 300 GeV Pion

Energy in HB2 (all layers) with and without HO

η=7, phi=6



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