

EM shower study

Update for the SPS runs

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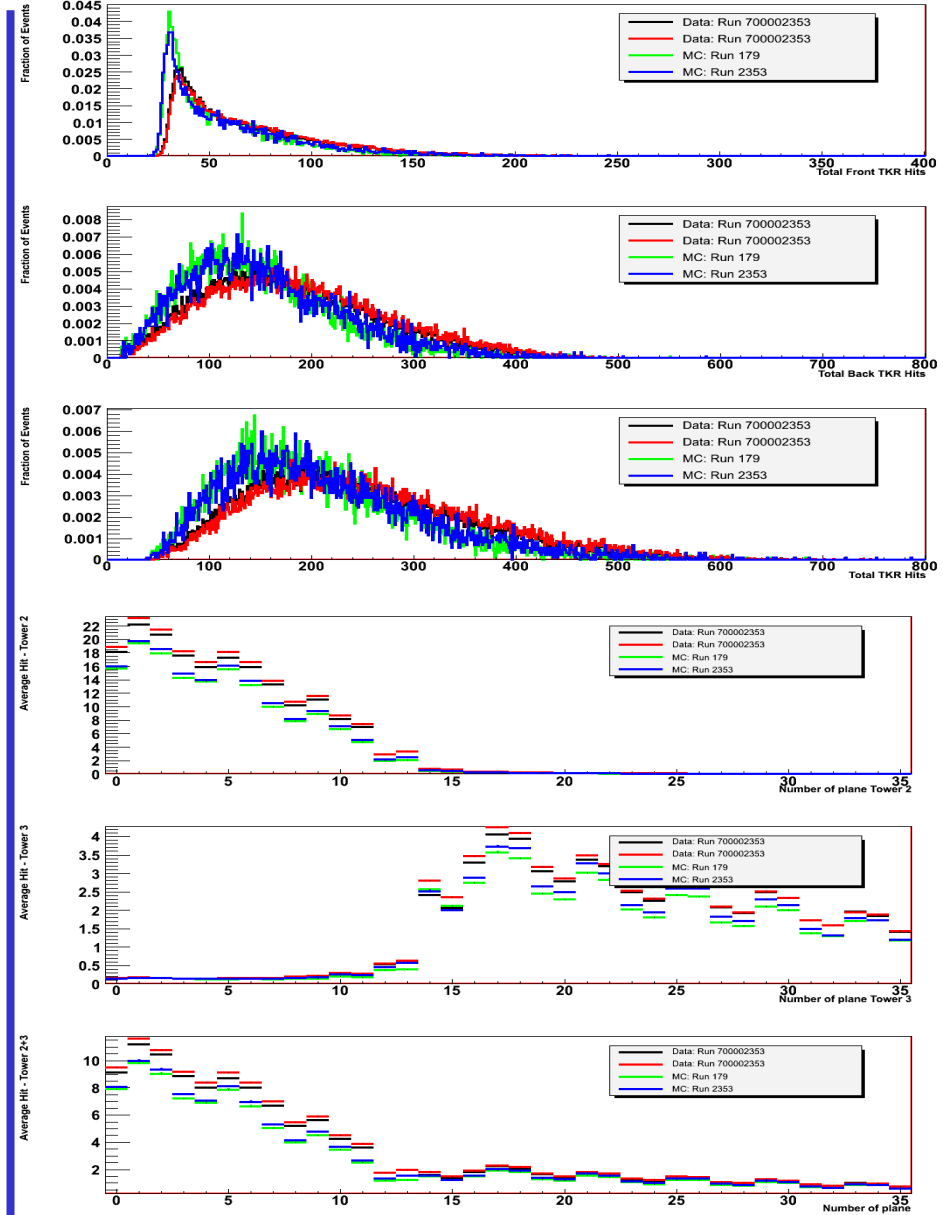
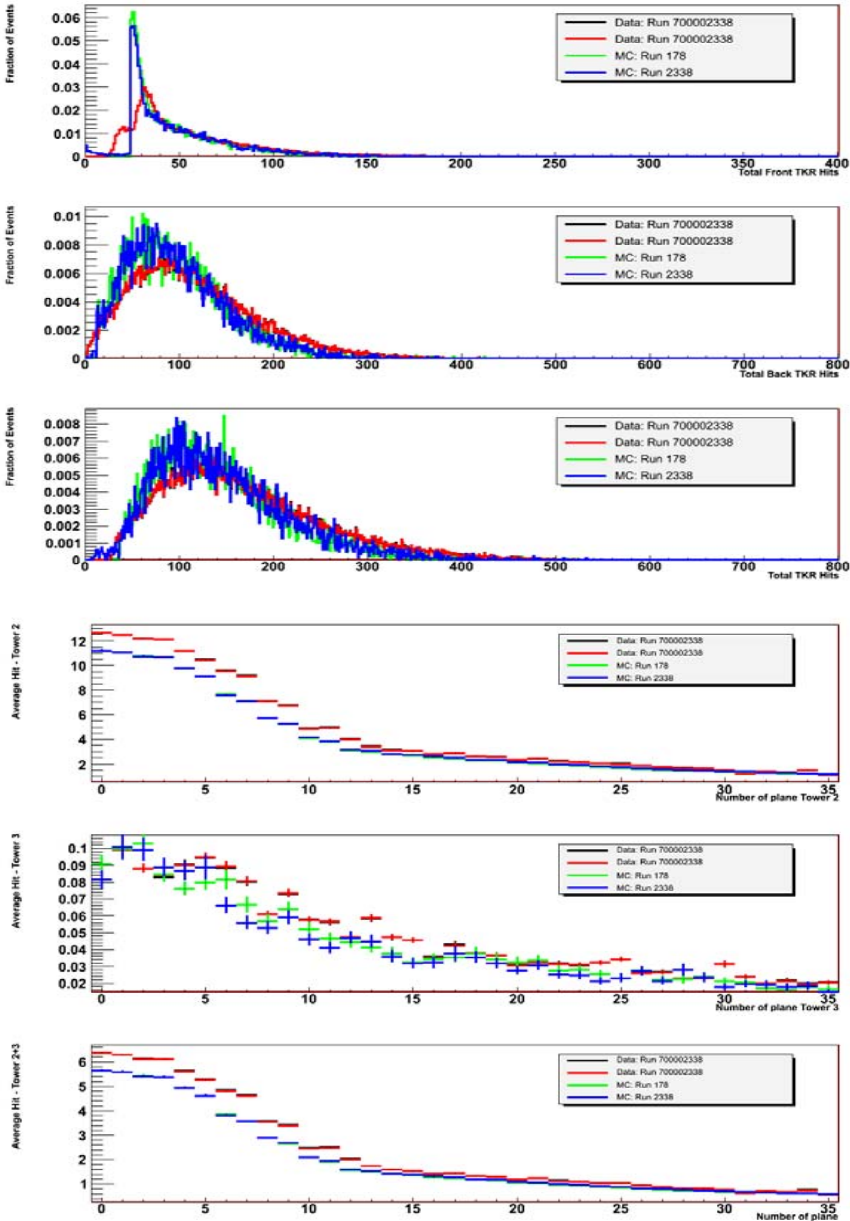
TKR Hits in electron runs

- **The TKR hits have been studied**
 - Whole TKR
 - Front TKR (plane > 12) thin planes
 - Back TKR (plane ≤ 12) thick and light planes
- **The BT and Merit root files have been used (current and previous versions available)**
- **The CU has been used as standalone detector, i.e. no geometrical cuts have been imposed**
 - **Cuts:**
 - At least one track
 - Last layer in the track == Layer 0 (Tkr1LastLayer == 0)
 - GTCC Fifo is not full (EventGtccFifo==0)
 - CalRawEnergy > 300 to reject pion like events

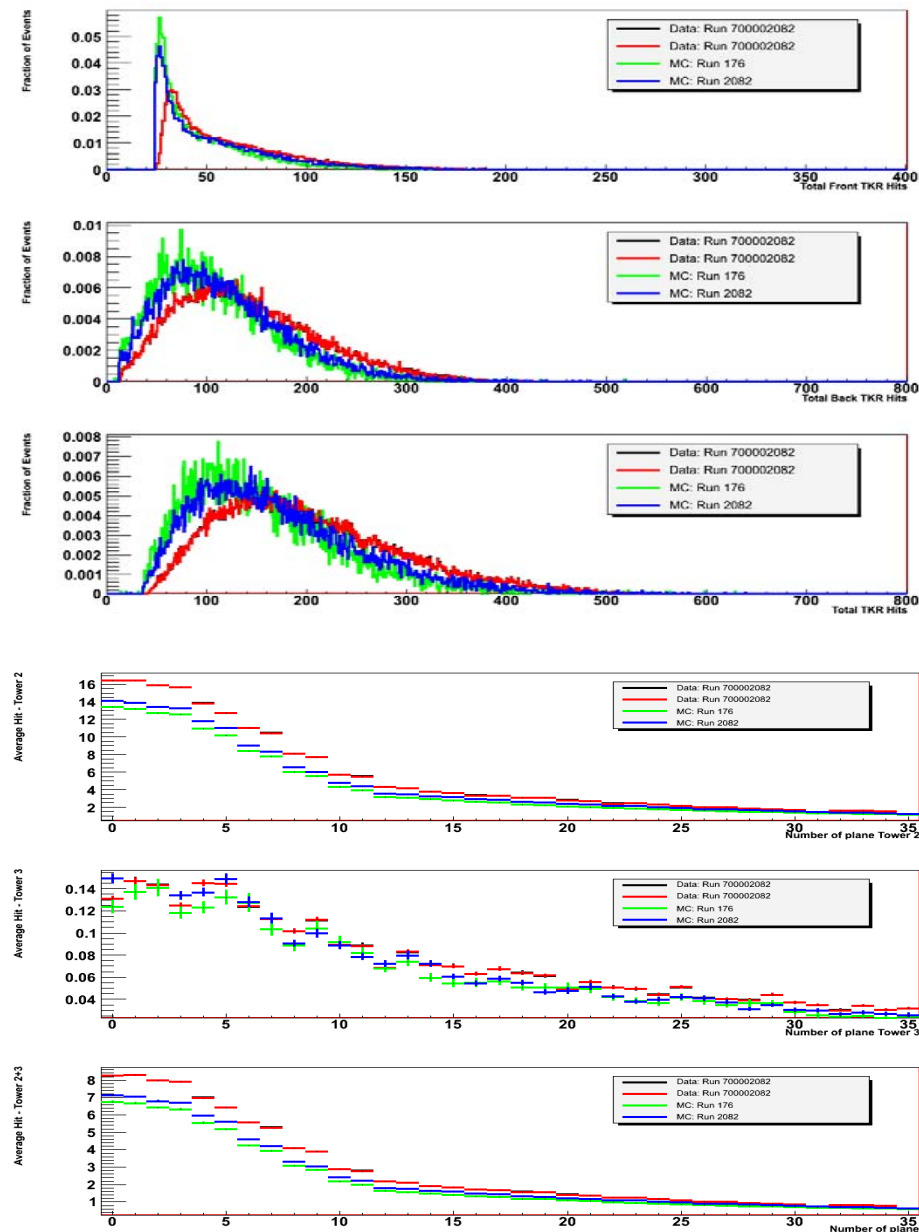
Plot legend

- Black line: Real data previous BT release (v1r030603p8 and p9)
- Red line: Real data current BT release (v1r030604p2 and p3)
- Green line: MC data previous version
- Blue line: MC data current release

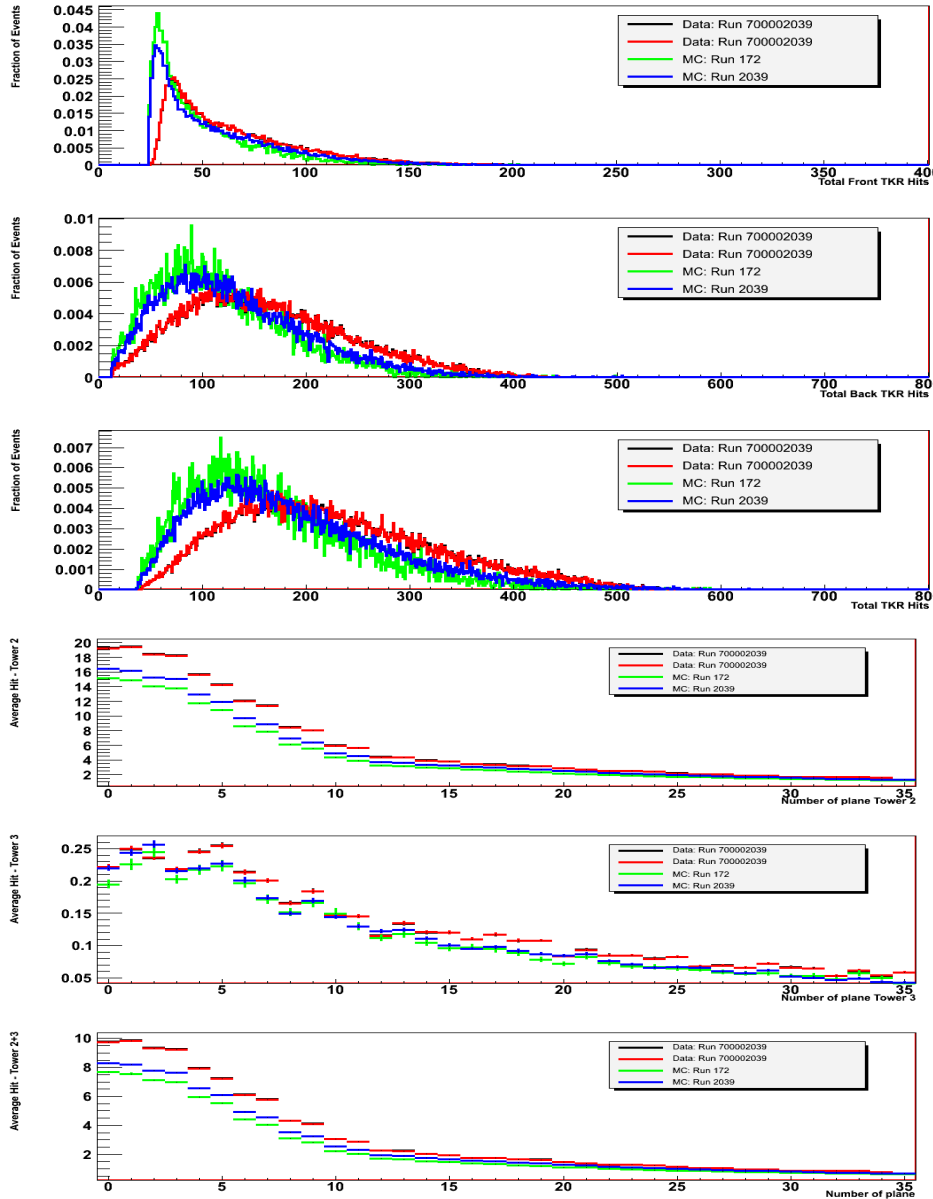
Electrons 10 GeV, 0° and 30°



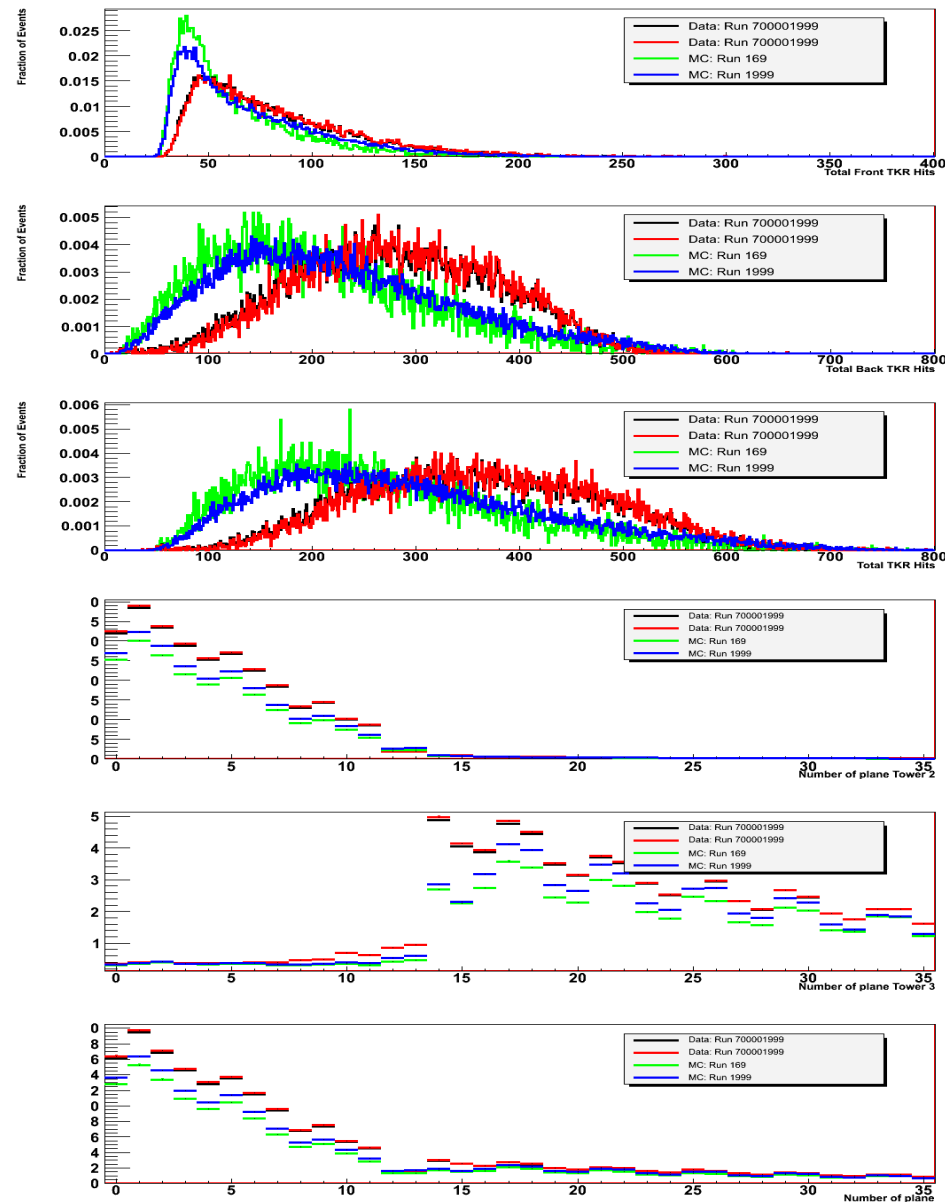
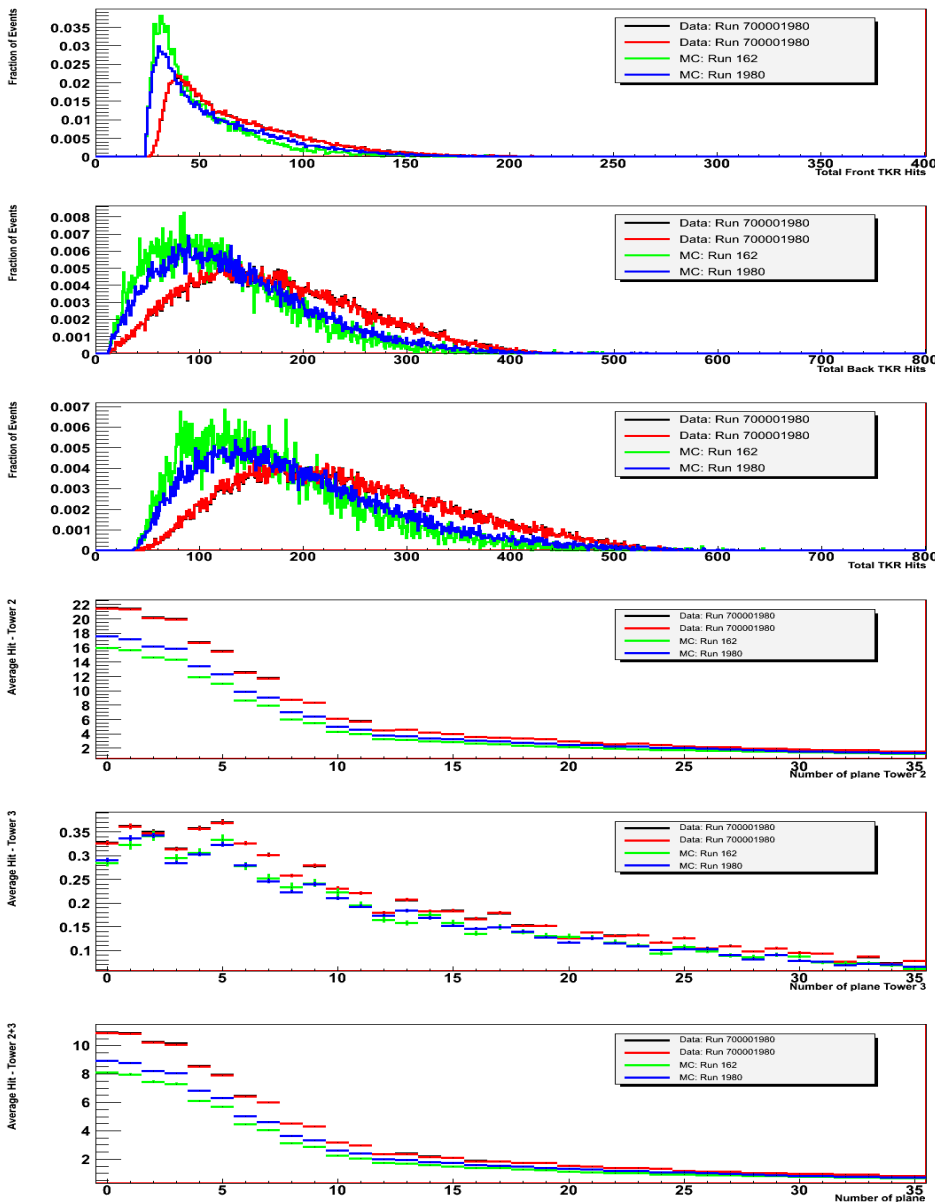
Electrons 20 GeV, 0° and 30°



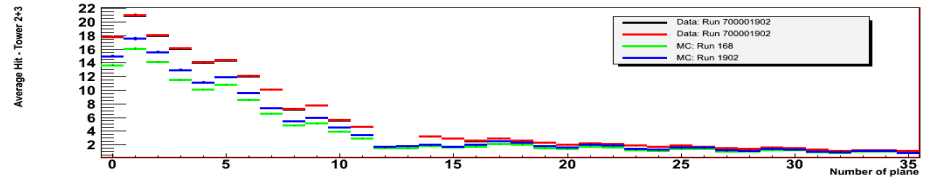
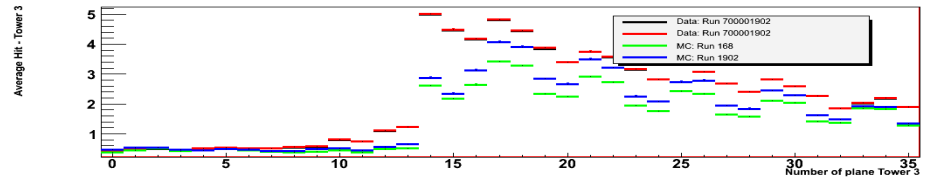
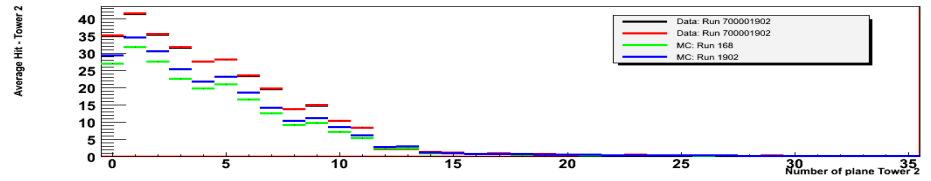
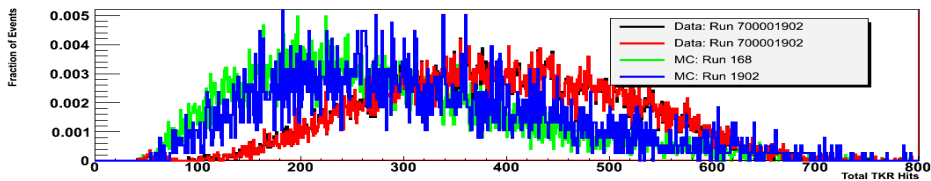
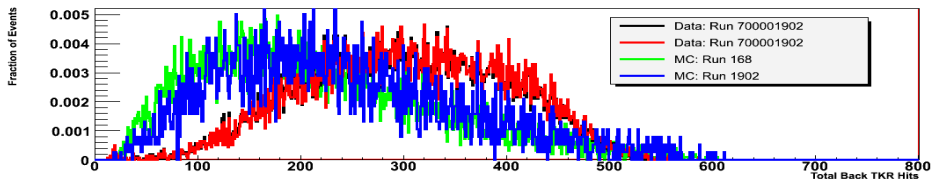
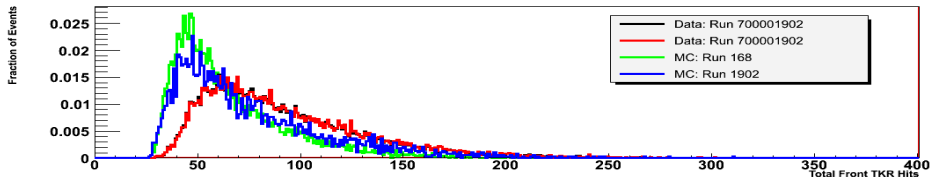
Electrons 50 GeV, 0° and 30°



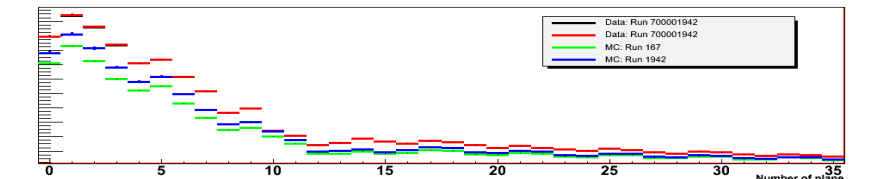
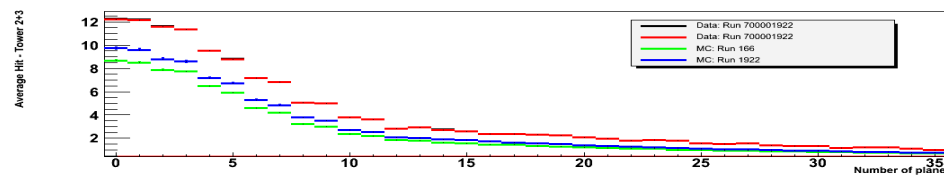
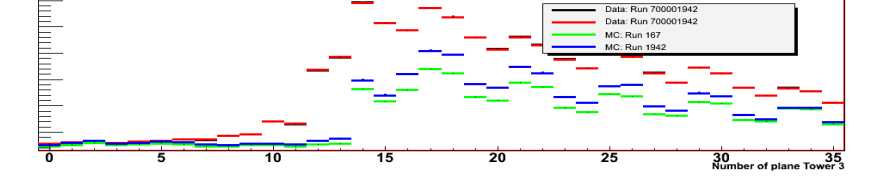
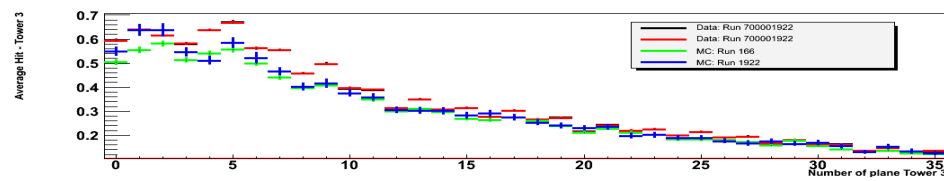
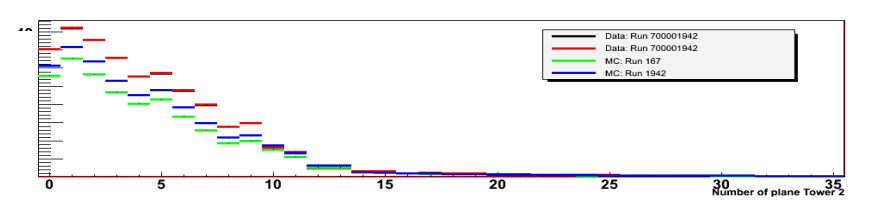
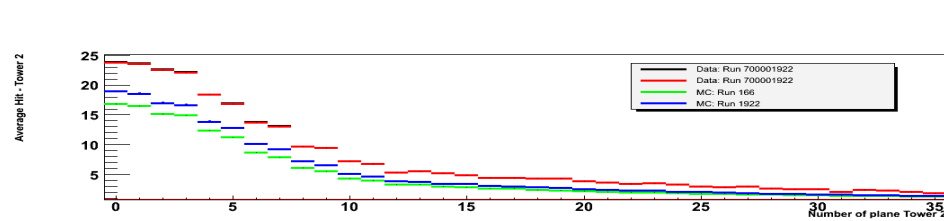
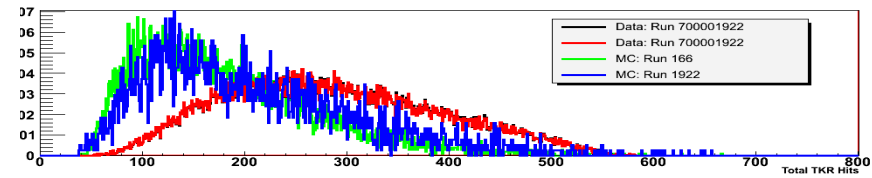
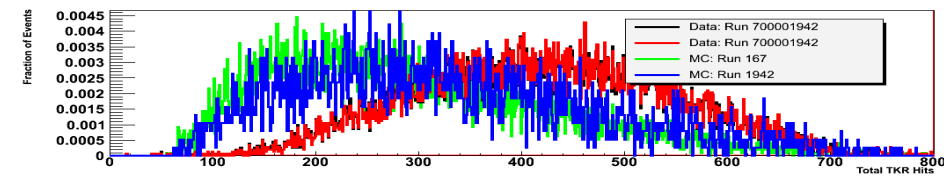
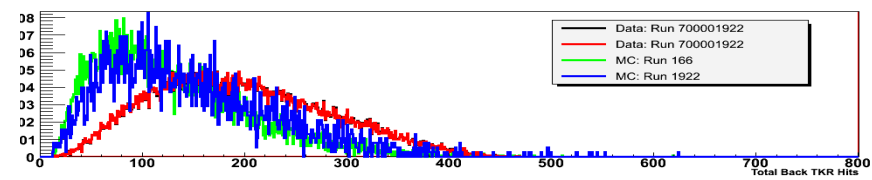
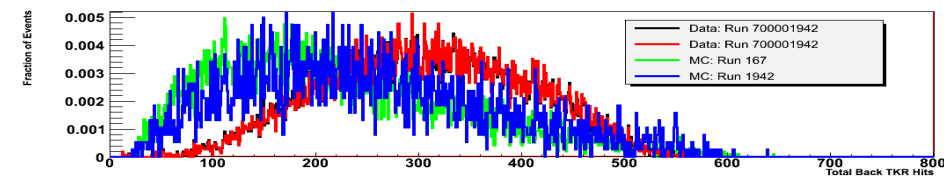
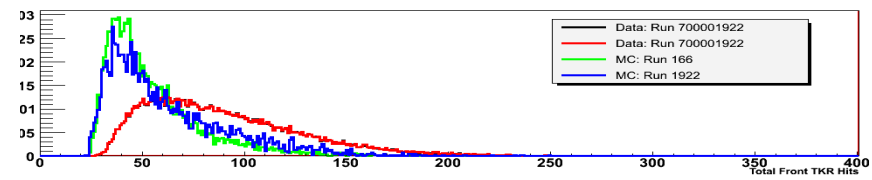
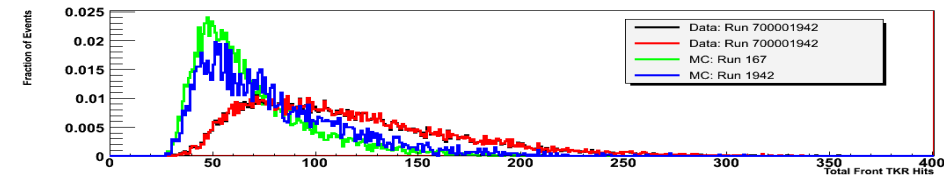
Electrons 100 GeV, 0° and 30°



Electrons 200 GeV, 0° and 30°



Electrons 280 GeV, 0° and 30°



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