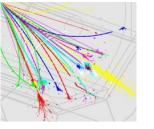


# Digital HCAL with Pandora

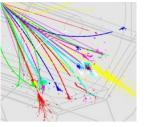
SiD PFA Meeting 02.12.2010 M. Stanitzki





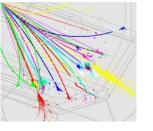
#### **RECAP from 14.05.2008**

- use LDC00 instead of LDC00Sc
- in PandoraPFA 2.x
  - DigitalHCAL=1
- In MokkaCaloDigi
  - DigitalHCAL=1
  - adjust thresholds

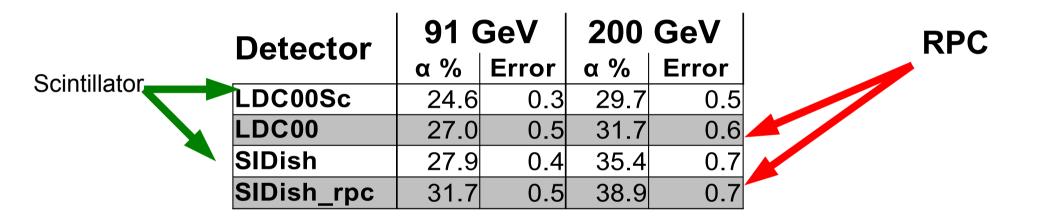


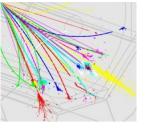
#### **Status**

- Simulated two versions
  - LDC00
  - SIDish\_RPC
- basically the same as LDC00Sc and SIDish
- Didn't change any of the cuts

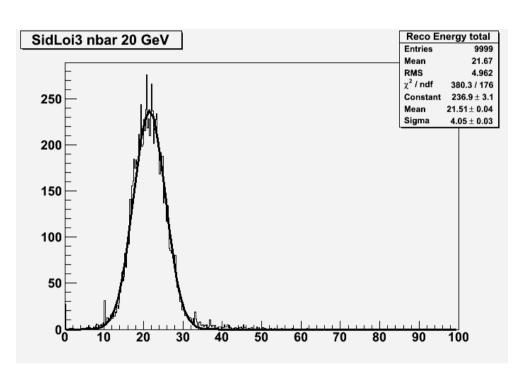


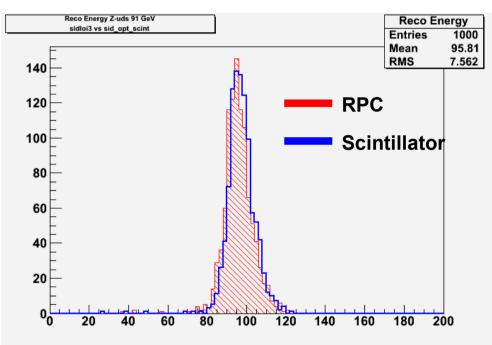
#### Results





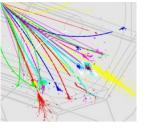
### Where are we today?





# This is from August 2010.... Test runs so don't get too excited





## Things that need doing

- RPC digitization
  - Code is ready
  - But is lacking LCIO information
  - Needs the location in the Cell
  - Not provided by LCIO
- Two ways around this
  - random position assignment in the cell
  - Or extending LCIO
- First one is fast and ok for showers
- Second one is more correct
  - Beneficial for RPC, GEMS, MAPS (everything with a charge cloud)

