

What's in the System Tests

AnaGroup Meeting

28 July 2003

Test Configurations

- AllGamma (17MeV to 17 GeV)
- Backgndavg
- Vertical g – 0.1, 1, 10 GeV
- Vertical m – 1 GeV
- Vertical p – 1 GeV
- Specialty CAL and ACD runs

Plots - MC

- McParticle, McPositionHit, McIntegrating hit multiplicities
- Initial energies, hit energies
- x,y initial positions
- Particle types
- Particle termination z pos
- CAL Xtal segments hit
- TKR tray number hit

Plots - ACD

- Digi multiplicity
- ADC per tile; summed ADC all tiles
- Layer, column, face, row
- *should* have tile ID

- Total energy deposited
- DOCA, Active distance

Plots - CAL

- Digi ADC +, -, OR of faces
- Hit range
- Tower, layer, column id
- Hits per layer
- Summed ADC per layer

- Cluster multiplicity (=1 now)
- Cluster transverse, longitudinal parameters
- x,y,z, direction cosine of cluster

- Raw E
- Profile fit; Last layer; WBA corrected energies

Plots - TKR

- Track multiplicity
- Hits on tracks
- Track start x, y, z and slopes
- Radlen/plane
- Active distance per track
- Vertex quality, z position, # tracks per vertex

Plots - Trigger

- Trigger bits set
- Trigger word value