

System Tests

Systests are up to date for GlastRelease, i.e. upto v4r6. (this version is virtually the same as v4r5p1, so has the same energy recon, memory leak...)

The systests for EngineeringModel v3r0406p0 are running at the moment. They were delayed due to a bug.

Not made much progress in the infrastructure, current priorities are getting the systests to run on head releases and allowing the generation of moderately large bulk datasets of AllGamma and BackGndAvg.

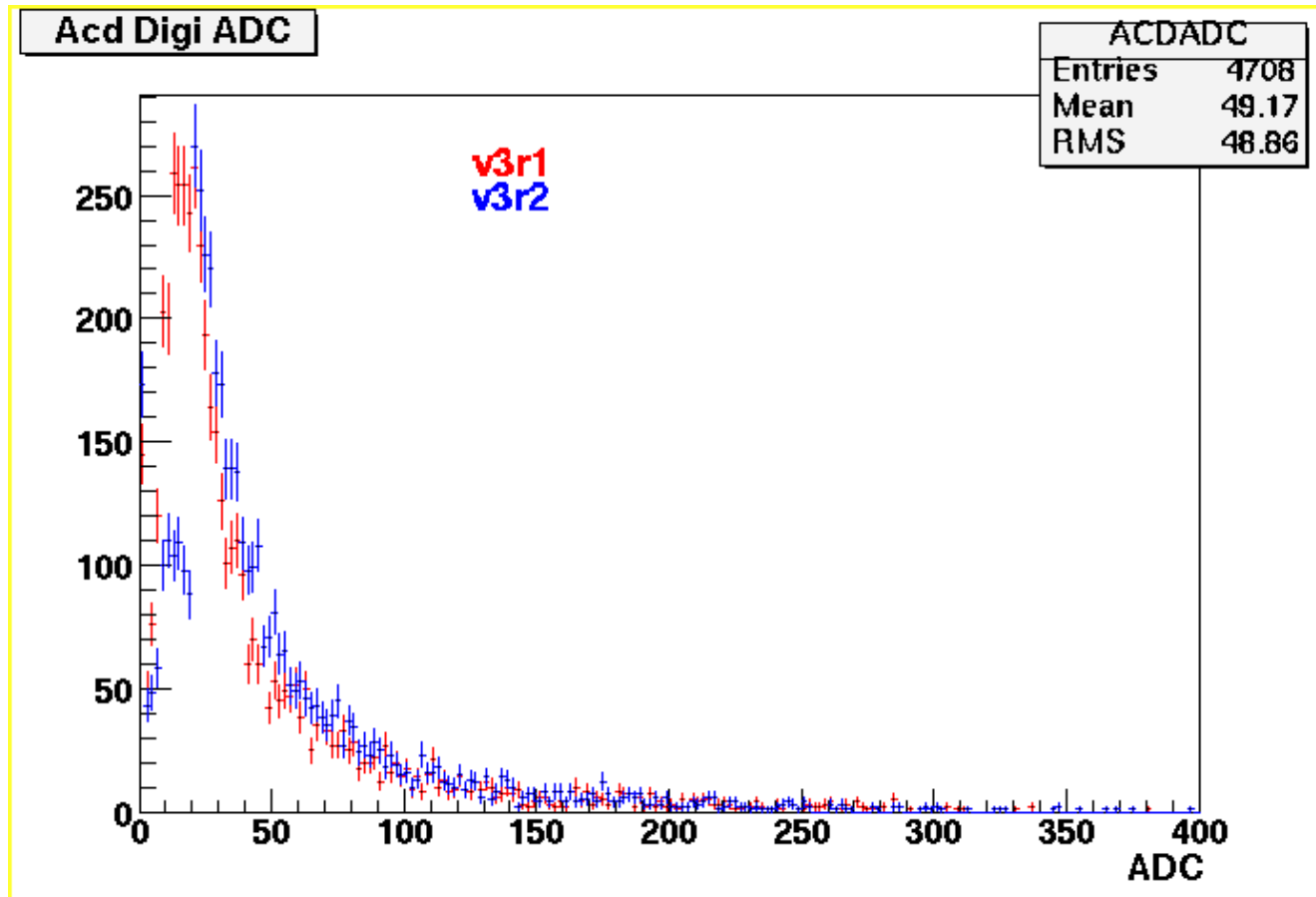
We still don't have optimised builds of GlastRelease being automatically generated by the RM...

ACD Digi Distributions

ACDDIGICOUNT – The number of ACD digis (per event)

ACDADC – The ADC value of each hit PMT

ACDADCTOT – The sum of ADC values over all PMTs



ACD Recon Distributions

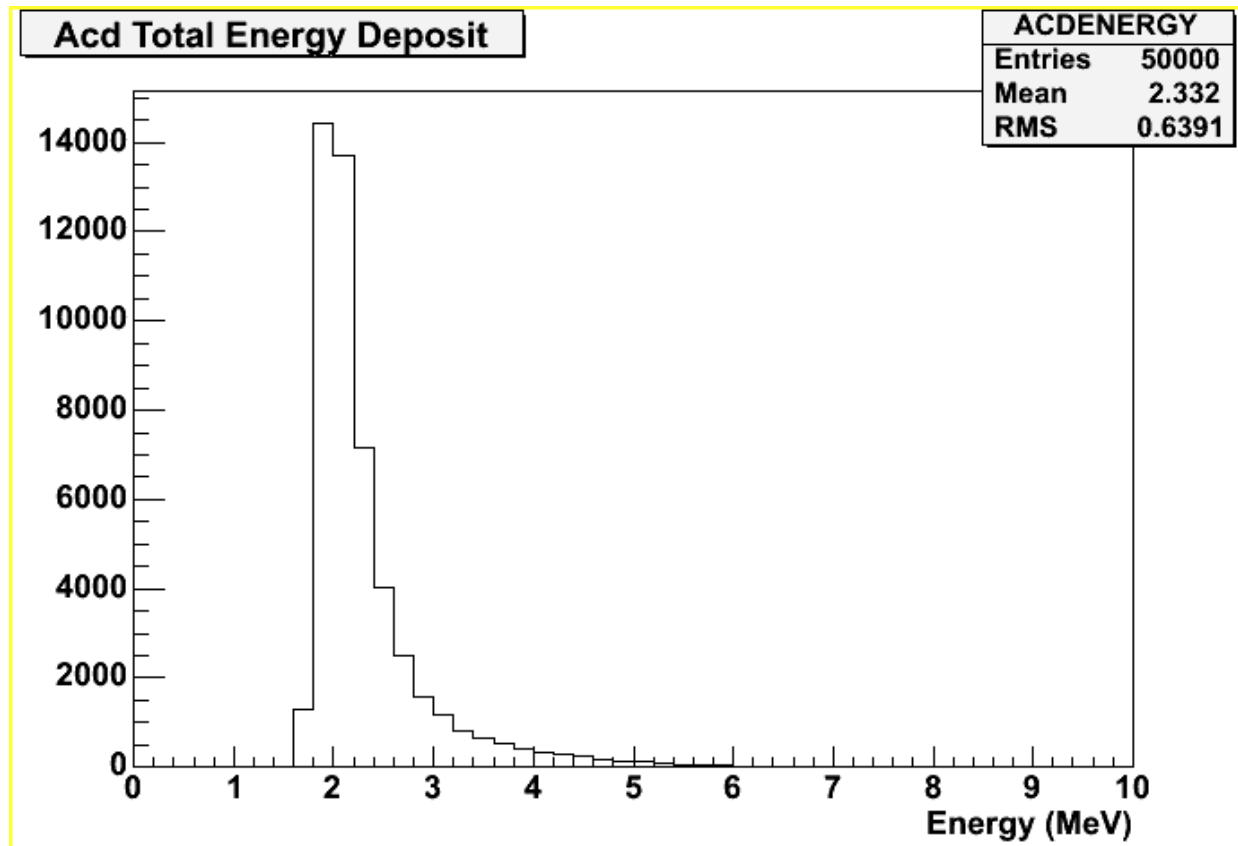
ACDTILECOUNT – Number of hit tiles

ACDENERGY – Total recon energy deposited in the ACD (for tiles above veto threshold)

ACDDOCA – Minimum distance between a track and the center of a hit tile.

ACDACTDIST – Minimum distance between a track and the edge of a hit tile

ACDGAMMADOCA - Distance of Gamma to the center of the closest tile?



Special ACD tests

ACDTop: Look at the energy deposition in a single tile (022) from 300 MeV muons.

MCPARTDAUGHTER – number of MC daughters

NUMELECTPEREVENT – number of electrons per event

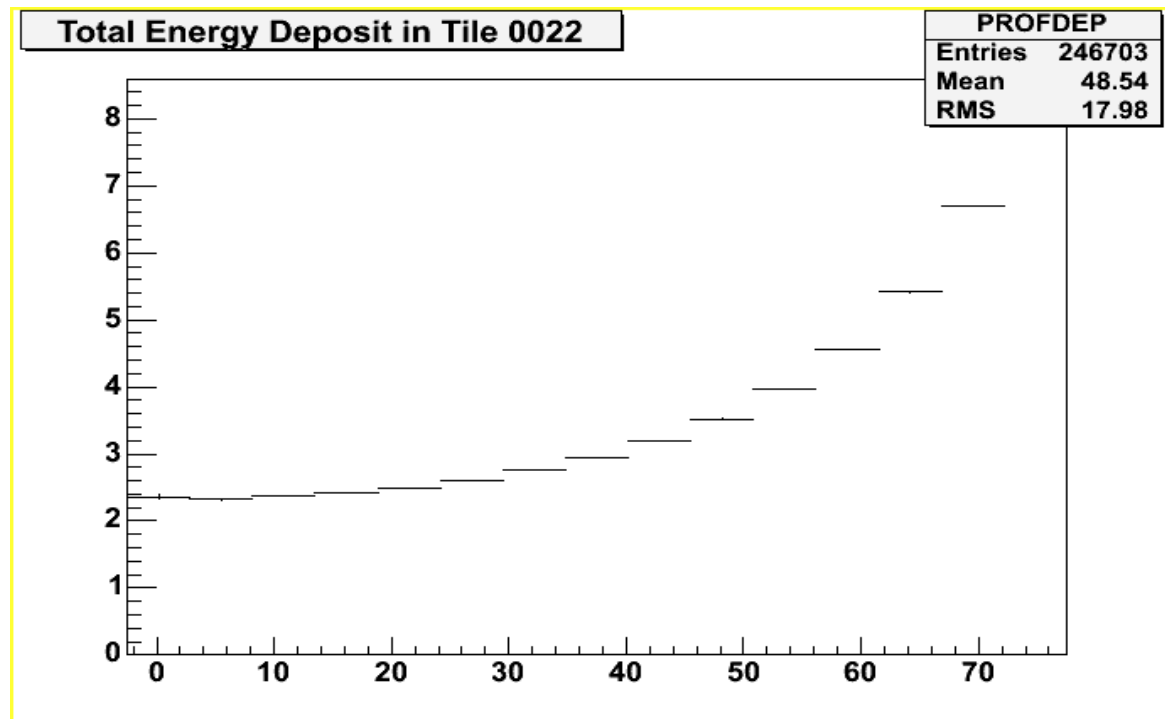
MCPARTTYPES - all mcparticle types

MCELECENG - Energy of secondary electrons

ACDMCHIT22 - Total energy deposition in tile 22

ACDELECENG22 - Total energy deposition of secondary electrons

PROFDEP - Energy deposition as a function of inclination angle



Special ADC tests (2)

ACDDigi: Look at distributions in the ADC for noise only events for a variety of noise level settings.

Not currently implemented (i.e. broken)

What else do we need?

Look at the ribbons?
suggestions are welcome...