

System Tests Report – Jan 31

Engineering Model – run for v3r0407p2, v3r0407p3, v3r0407p4, v3r0407p5 and v3r0407p6.

GlastRelease – No new releases since v5r0p2. The system tests were run on a head release to take a first look at the new TkrRecon.

New web interface!! (thanks to Tony Johnson and Massimiliano Turri)

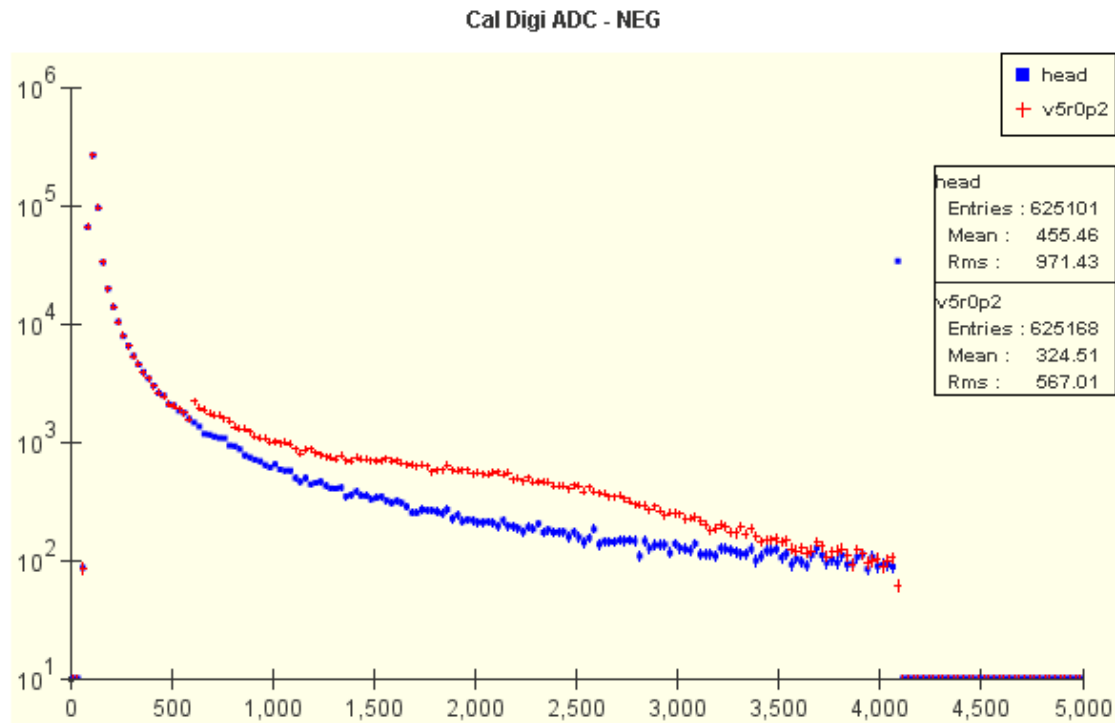
- Lots of new features.
- Much easier to navigate.

Tracy has revamped the ROOT macros.

- Code is now much easier to maintain and run.

GlastRelease HEAD1.417

10 GeV VerticalGamma



The discontinuity (which arises from the transition from one range to the next) is gone.

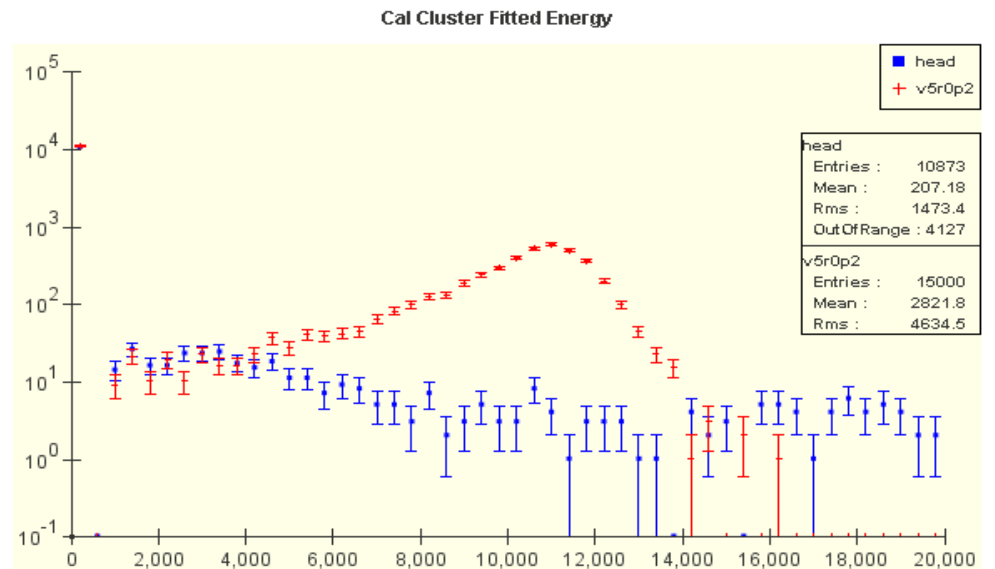
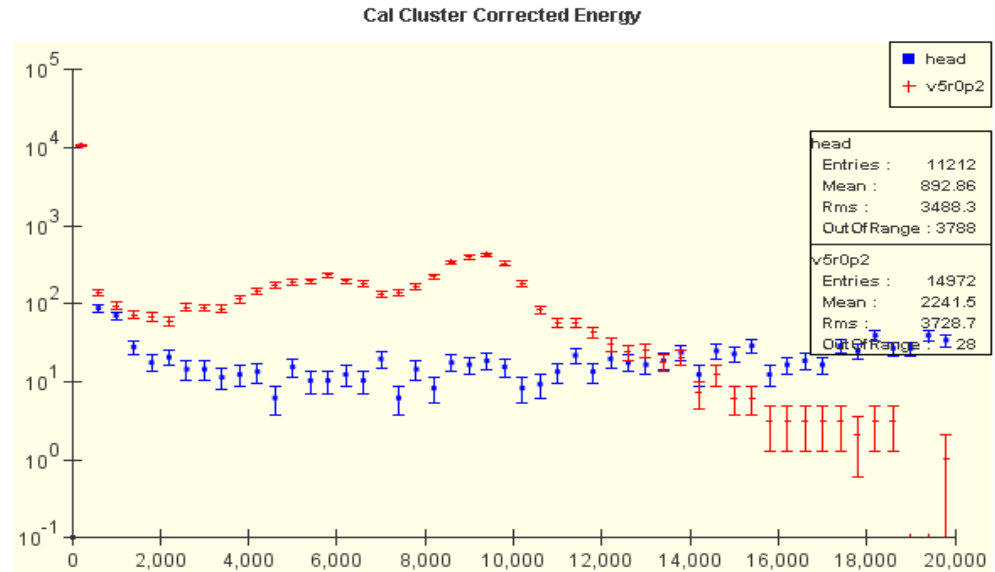
Energy Reconstruction

VerticalGamma 10 GeV

CalEnergyCorr
(Cal energy corrected globally
for edge and leakage)

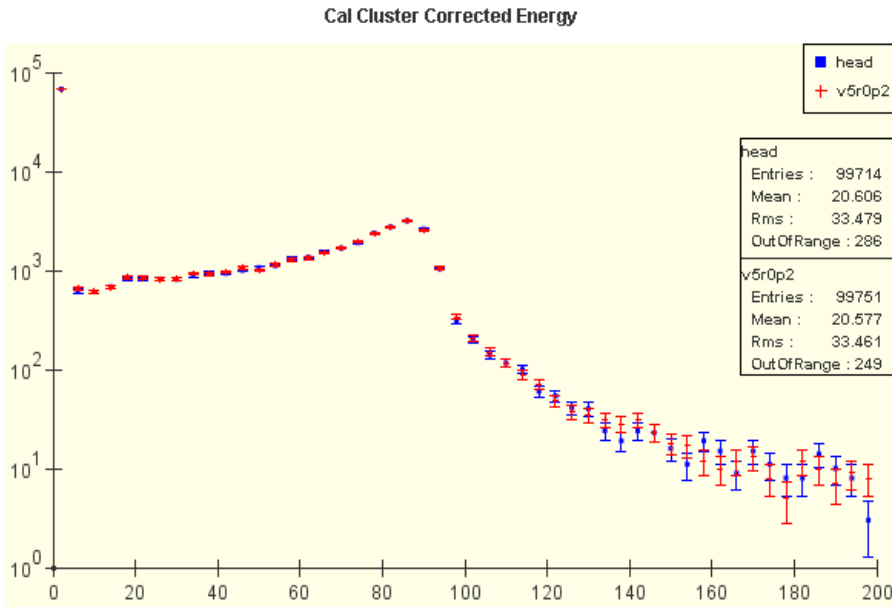
calcluster->getFitEnergy
(what is this?)

Energy recon. looks like it has
become ~random.

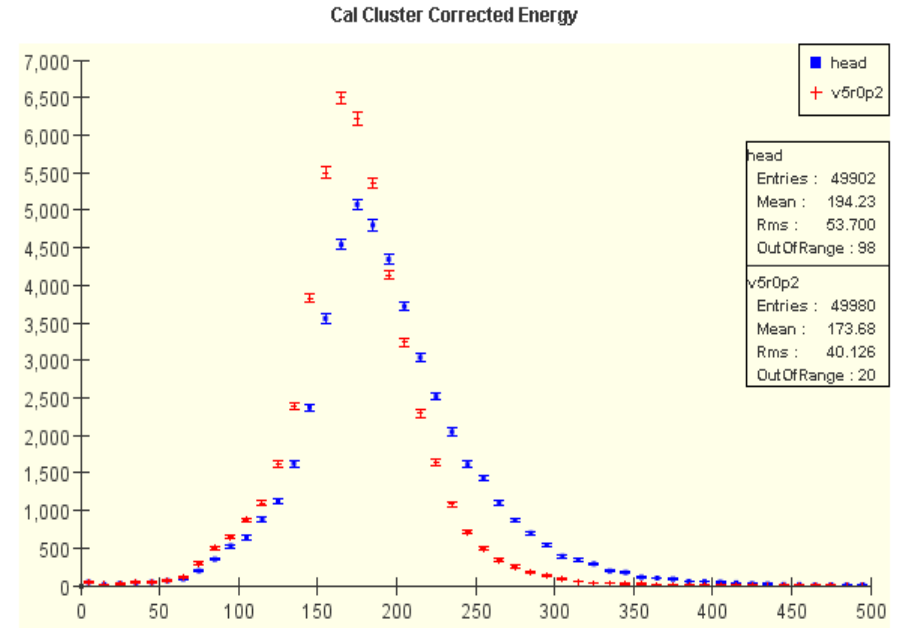


CalDigi (cont.)

100 MeV vertical gammas



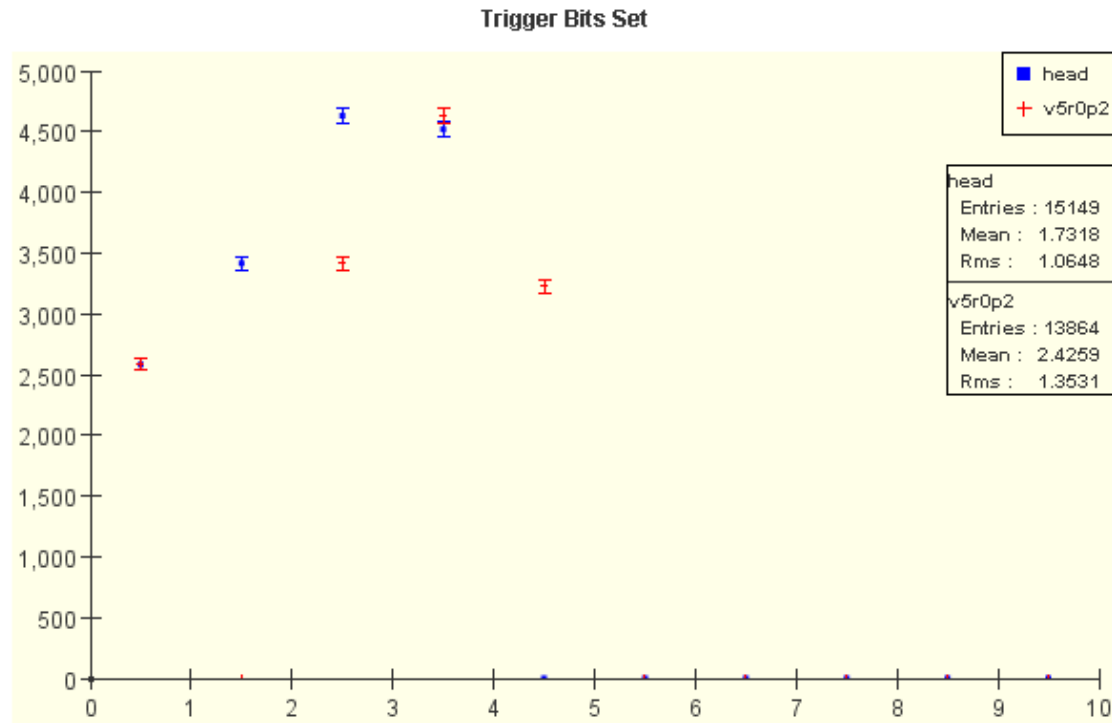
1 GeV vertical muons



No problems for muons or low energy gammas -> issue with higher energy ranges only.

A bug in CalDigi was found and fixed by Richard.

Trigger Bits

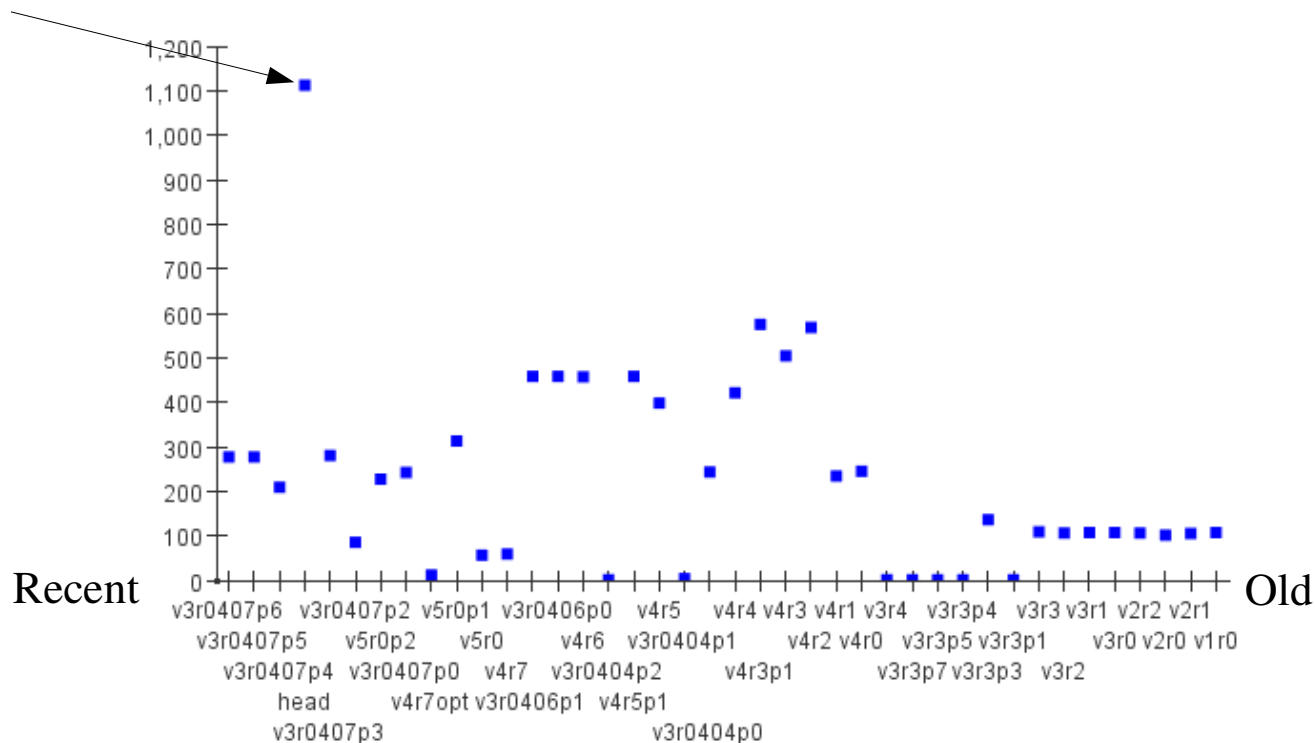


The definition of the trigger bits has changed (as agreed).

History plots

Memory usage for VerticalGamma100MeV test

GlastRelease HEAD1.417



We can now plot quantities as a function of time (release tag), currently memory and cpu usage are available. We could add more. e.g. energy resolution, 68%/95% containment radii etc.