

System Tests – DC2 and beyond

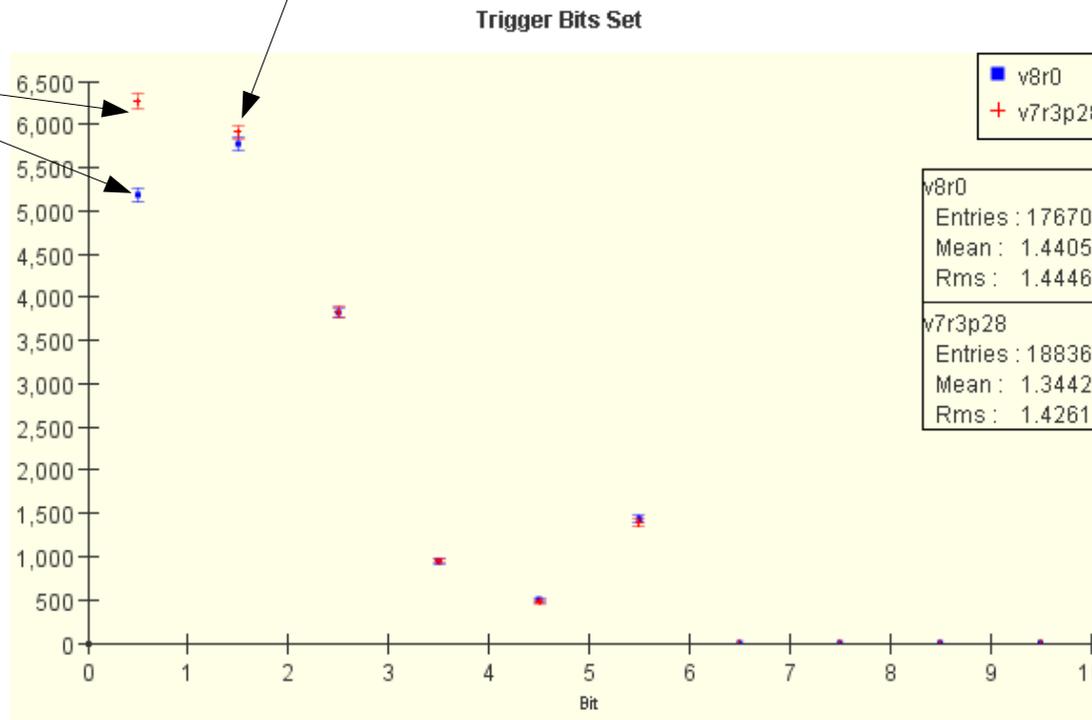
- v7r3 – v7r3p28 are the sequence of releases for DC2.
 - We froze a lot of packages for DC2 and continued development on separate (non-DC2) branches.
- v8r0 is the first post-DC2 release and brings all the development branches of packages back together again. Lots of changes.
 - Updates to ACD geometry
 - Updated Trigger package (bugfixes + change ACD low thresh
 - New (or very revamped) EbfWriter and OnboardFilter
 - Updates to CalDigi, CalXtalResp
 - Major update to AcdRecon
 - v8r0 will be a jumping off point, it would be very well worth our time to look closely at it and be sure that we are happy !

Trigger

AllGamma

Why has the rate of Tkr triggers changed?

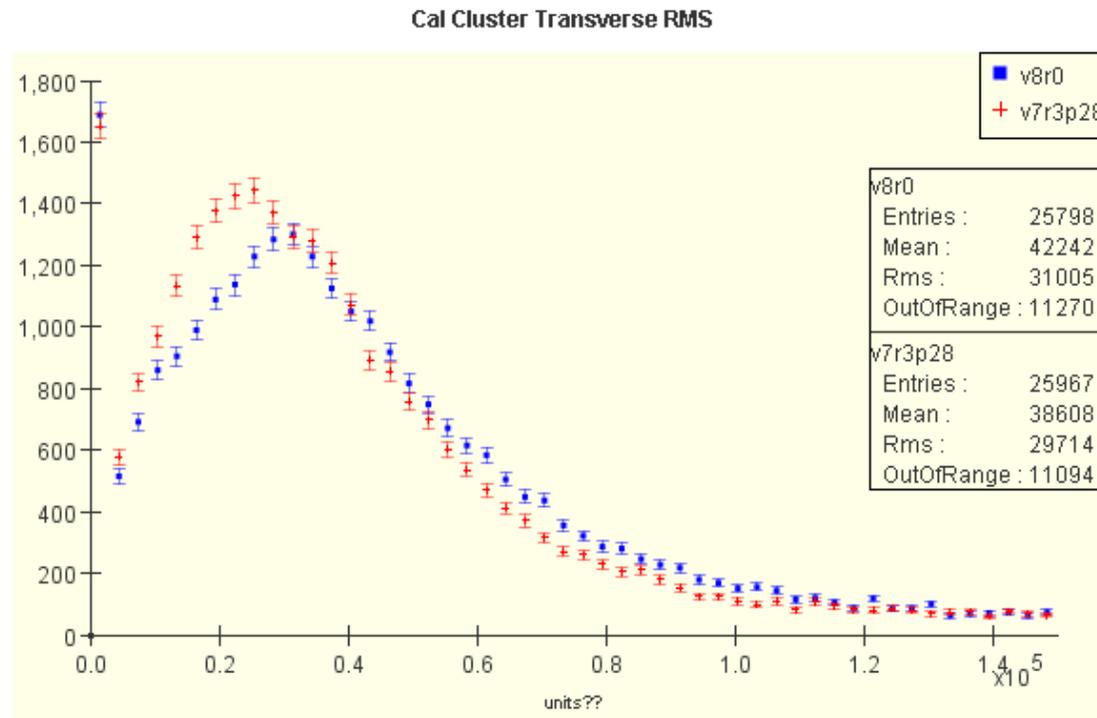
Acid-lo threshold
changed from 0.1
to 0.3 mip



Cal Transverse RMS

VerticalProton1GeV

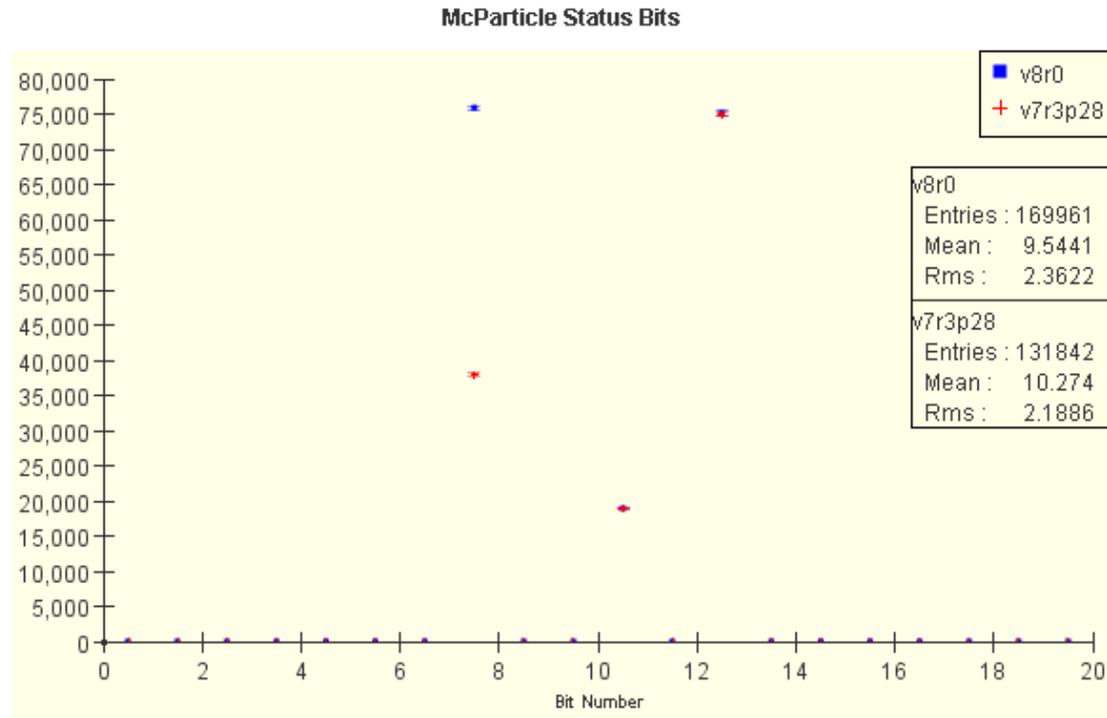
(verticalMuon1GeV looks similar)



Why has this changed?

McStatusBits

- Why has this changed? The number of McParticles has not increased, but bit #6 gets set much more often.



VerticalGamma1GeV

OnboardFilter

- These distributions have changed (as expected). We looked closely at the difference between the old and new OBF last September (see systest reports and talks from Richard Hughes).

Infrastructure issues

- We are operating on a bit of a wing and a prayer. The underlying system is a set of perl scripts which have been patched and patched...
- For a variety of reasons we have been creating lots of tagged releases, which triggers lots of systests. This has caused the disk to fill and the tests to fail.
- There is an incompatibility with the oracle libraries build into root and those built against perl. So the final (root) part of the systests no longer is run automatically.
- This makes the systests require a lot more manual intervention than they used to need.
- Plan to address this by no longer saving the full root trees for EM systests and moving to use root 5 (which is built against the new oracle)