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?

Acd-lo threshold changed from 0.1 to 0.3 mip
Cal Transverse RMS

VerticalProton1GeV  
(verticalMuon1GeV looks similar)

Why has this changed?

System Tests, Mar 13 2006
McStatusBits

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

System Tests, Mar 13 2006
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)