Status of reconstruction passes

2016 Pass1

- New geometry from Alessandra. (pass1_allign), Alessandra is validating
- event time stamp is fixed
- SVT bias and position flags are fixed
- Track-cluster matching. Close to be finalized
- Slow processing was due to picking wrong condition, it is fixed now
- New skims, s0,s1,pulser,Moller and v0 are ready
- Time dependent ECal gains, parameters are determined, needs to be decided to keep them hard coded or put gains in the DB
- Tracking parameters for detached vertexes. Done, Norman is doing final check before pushing the code to the repository

Removing bad SVT channels, will be done on a next pass.

2015 Data pass7/tweka pass7

Alignment (Alessandra)
Detached vertexes (Norman)
Prove that tweakpass is equivalent to the full recon (Norman)

Files 230, 240, 250, 260, as before take too long, shouldn't svt bias and position flags be checked before reconstruction.

Using Java8, seems faster

I should still create a cron job for taring and sending files to tape

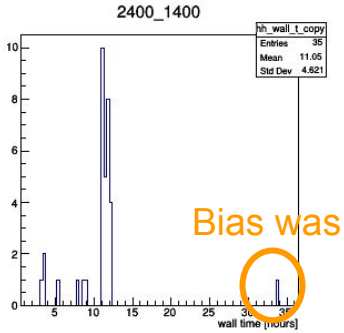
Alessandra's e-mail, "there are a lot more faulty occurrences with crazy curvatures and residuals",should these be addressed first, before starting the pass?

New test pass xmls are ready, soon (when dst issue is resolved) will run a test pass for track-cluster matching, NOTE, this is only (mostly) for Sebouh to do the trk-cluster matching with a new geom

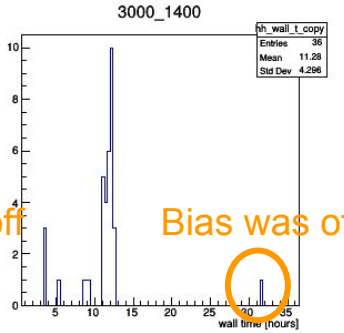
Detached vertexes, Norman needs to confirm

A test was performed on run 10% of run 7796, with different heap size and Physical Memory requests

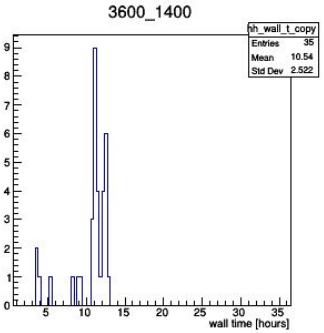
Heap size [Gb]	1.4	2.	2.6
Phys.Mem [Gb]	2.4	3	3.6
Phys.Mem [Gb]	3.	3.6	4
Phys.Mem [Gb]	3.6	4.2	4.6



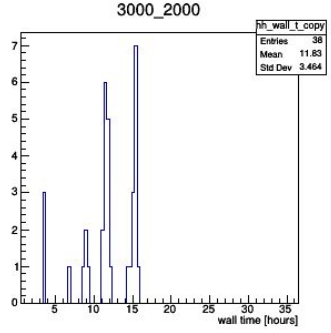
Bias was off

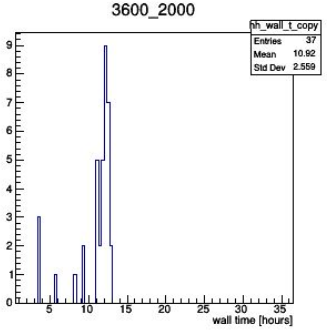


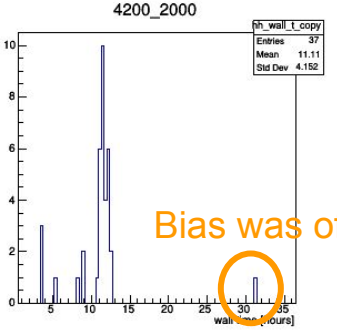
Bias was off



2400 RAM and 1400 heam seems fine







Bias was off