Flight I&T Support Update

- EngineeringModel package and LDF
  - [Current tag is still v3r0404p0] still, as of 9/9
  - [Heather finished bad event code just before leaving; it’s in EM HEAD1.149
    - See Aug. 26 report for detailed explanation
    - Test to exercise it apparently failed (she did not see bad event flag set in ROOT files)
    - Joanne sees flag in digi ROOT. It seems that bad events get omitted altogether from recon output]
EngineeringModel package and LDF

EM HEAD1.149 (cont’d)

- Various rearrangements of job options fix this. Best way to handle it is still under discussion. Once decided and implemented, can make new EM tag.
- Learned why algorithm writers might need setFinalized()
EngineeringModel package (cont’d)

[We have reproduced Anders’ problem of last week, attempting to run EM v3r0404p0 with HepRep packages, with more standard procedures; however it “goes away” under various seemingly irrelevant circumstances. It appears to be a memory overwrite problem occurring during the initialize phase; no clue yet as to who is the culprit.]

Marco’s new build of OmniOrb (gcc 3.2.3) fixes the problem for some, but not for Anders. On first trial, (but not second) Joanne saw strangeness: corrupted debugger information.
Calorimeter: Sasha & Zach

- See CAL report
Some progress on alignment... TkrRecon now can generated misaligned tracker hits (or read them in from a digi file) and fix them during recon. We're just about ready to try an end-to-end alignment exercise on 2 towers.

Xin has commited his tracker muon calibration code to cvs. Hiro will be picking it up to generate the MIP constants. See the TKR report.
Various Calibration Stuff

- [On hold this week while Zach is gone and other EM issues take precedence.] as they still are
Pipeline

- See separate report
Things on the hopper

- [What trigger information belongs in the event header? TriggerAlg puts in bits if field is clear, perhaps not the right criterion. What about trigger bits from ldf data? ] prompted comparison of TriggerAlg, OnboardFilter output.

- [A request to provide a ROOT class clone of idents::TkrId in commonRootData. Haven’t quite converged on what belongs in it.]

- [User Workbook: progress this week includes section on how to use SLAC Linux.] Marco & Riccardo are working on MRvcmr doc first draft mostly written..

- ACD pedestals, ROOT file headers on hold during vacations

- Pol/Berrie report problems re-running events in GR v4r4..