

Status of CALICE Test Beam Software

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GRID Tool

- Until now: for GRID production set of scripts from Niels used
- Plan: make use of new GRID tool developed by Jan Engels (ILC software), initially for data reconstruction (Alex), and then for Monte Carlo production (Lars)
- Discussions with Jan Engels \Rightarrow no immediate profit for data reconstruction, but maybe for MC (to be seen)

Files on the GRID

- Last week: problems in accessing CALICE files on the GRID reported by Lars and Beni
- Reason 1: several files present only at Lyon site, but not duplicated at DESY; Roman informed, and reacted fast \Rightarrow files copied over night
- Reason 2: Wednesday renewal of dcache version at DESY \Rightarrow hiccup in file accessing (now solved)
- Since mid of January: problem of writing to the tapes \Rightarrow 138 CALICE files missing (converted + log files)
- Need to check if we can recover the files, otherwise delete the names (confusion if people try to access them)

Si-W ECAL

- Marina (ITEP, Russia) reported offset between x/y_{track} and x/y_{cog}^{ECAL}
- Kaloyan and Roman informed

AHCAL

- Ongoing work on new reconstruction chain, based on work from Beni (correct position for HCAL hits)
- Ongoing: writing of default calibration values into the data base (avoid hard-coded values) (Nils)
- Last cross-check with present reconstruction chain and first release within next weeks

Tracking: RunInfoProcessor

- Need person to work on non-detector specific issues like *RunInfoProcessor*: **any volunteers/ideas?**
- Problem: tracking needs to know run energy (in order to scale the scattering error matrices by the beam energy)
- Energy information only partially stored in the data base
- Need solution how to proceed in case of Monte Carlo (run number not necessarily present)
- Current discussions with Paul

General CALICE Software Clean-up

- New package *calice_dbtools* based on work from Beni and Nils ⇒ to be submitted to SVN
- Deprecated packages *calice* and *ilcsoft* (not updated since years) to be deleted from SVN
- New package *calice_external* to include external packages (created by external authors and eventually maintained by us), like *RootTreeWriter*, *CondDBMySQL* and *Marlin*, *lccd* if needed
- *dbview* to be moved from *calice_tools* into *calice_dbtools*
- Maybe merging of DAQ related software (*calice_daq*, *calice_online* and *calice_monitor*) - in discussion with Paul
- Once done, changes will be of course publicly announced
- Involved people: **Nils, Beni, Shaojun**