

Summary of recent activities

- LCDG4:

- Latest version v03-18 is quite robust. It was used to generate lots of data over the holidays (not a single crash!)
- New Geant4 version 7.0 is out
new particle “unknown”, for preassigned resonant decays, e.g.



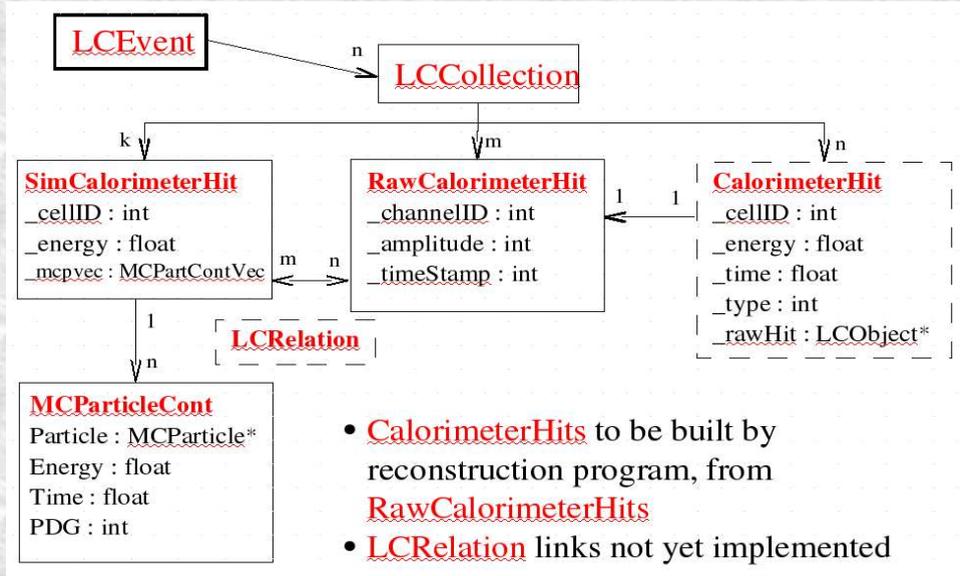
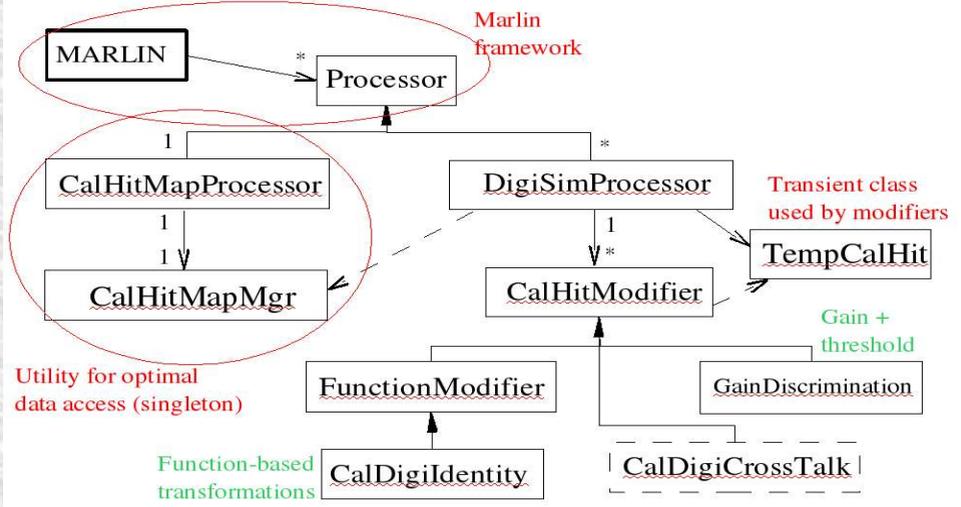
Some changes to LCDG4 are needed to handle “unknowns”.

- Also tried to port LCDG4 to latest Linux version (Fedora 3), but xerces-c++ has not been ported yet.
- Norman asked about non-projective endcaps
- Rob had problems installing LCDG4 to FNAL farm

Summary of recent activities

- DigiSim: no activities since CALICE meeting
 - Could add real gain, discrimination and saturation soon
 - LCRelations and cross-talk modifiers to be added

DigiSim class diagrams

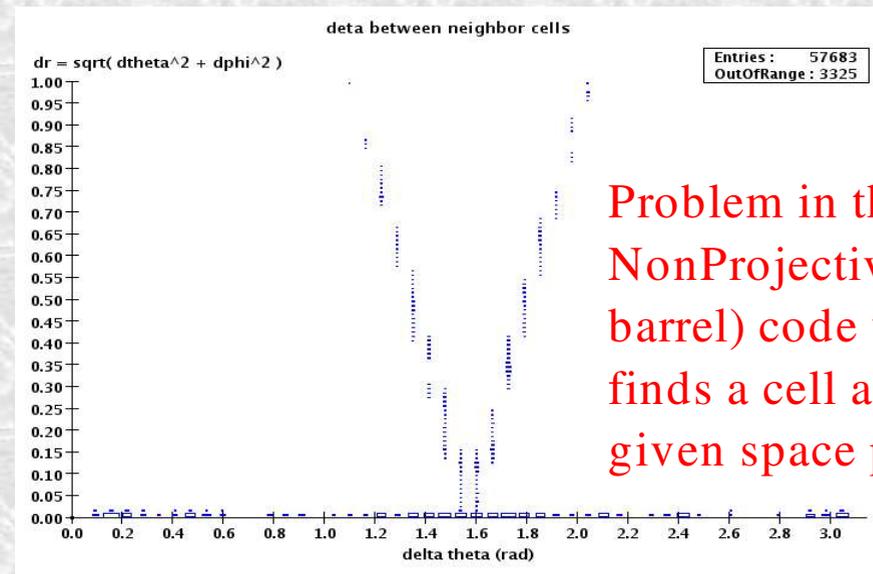
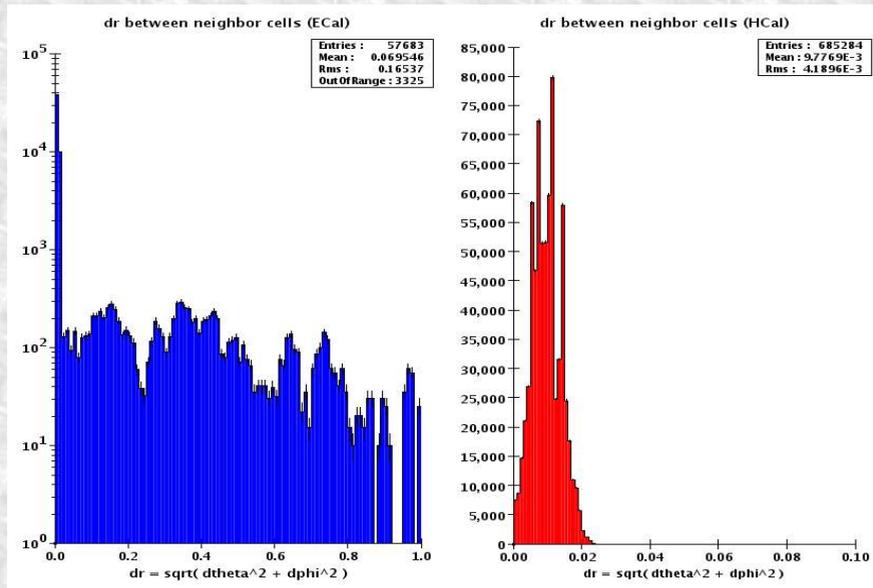


- **CalorimeterHits** to be built by reconstruction program, from **RawCalorimeterHits**
- **LCRelation** links not yet implemented



Summary of recent activities

- PFA algorithms:
 - Cell neighborhood crossing calorimeter borders



Problem in the NonProjective (Hcal barrel) code which finds a cell at a given space point

- Interface to pre-clusters
- Clustering in non-projective calorimeter postponed