

FCAL Software Status

(*iLCSoft release v02-00-01*)

Detector Models *lcgeo v00-16-01* (DD4 geometry drivers) :

- LumiCal_o1_v03_geo.cpp – *fully reproducing LCal model as in ILD_o1_v05*
- BeamCal_o1_v02_geo.cpp
- LHCal_v01_geo.cpp
- PairMonitor_o1_v01_geo.cpp (initial test version, not in iLCSoft release yet)

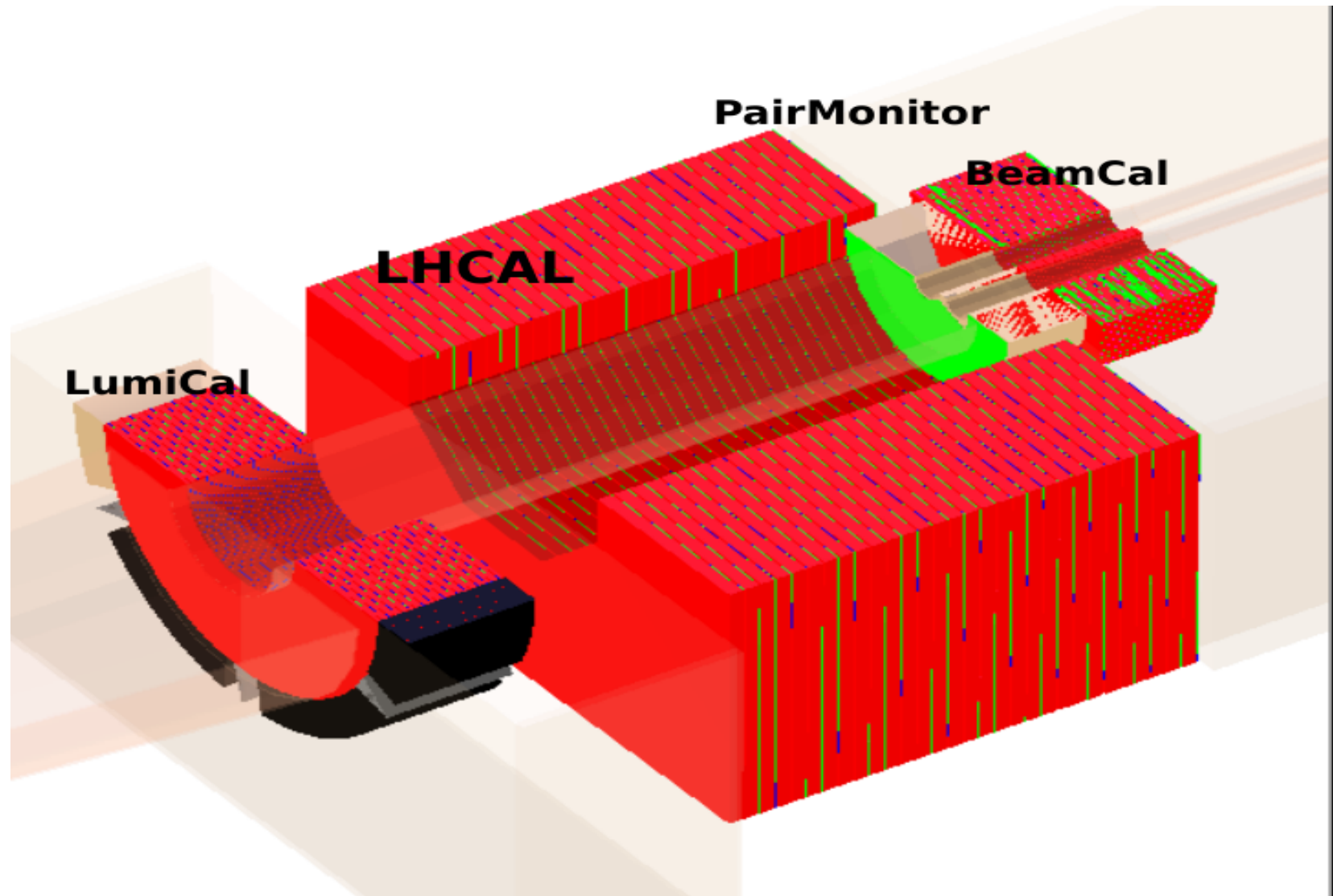
Reconstruction *FcalClusterer v01-00* (DD4 Marlin processors) :

- LumiCal – exists, functional, evolving
- BeamCal – exists, functional, evolving
- LHCal – *????*
- PairMonitor – *????*

Positioning – models *ILD_I/s(1-5)_v(01-02)*

Production version : ILD_I/s5_v02

FCAL Geo Components



FCAL SW Needs

- Missing (not in iLCSoft repo) : PairMonitor (geo – not in / reco – not exists)
LHCal (reco – not exists)
- Maintenance/Development – man power
Present: A.P.S, O.B., B.P.
Future: ?
- Simulation/Validation :
Past/Present: A.P.S, B.P., O.B., S.L
Future: ??
- Tasks:
 - validate performance with new ILD model
 - study/improve Clustering Algorithms
 - software Alignment/Calibrations with beam background (muons)
 -
- Man power :
 - who ?