

FCAL Software Status

(*iLCSoft release v01-19*)

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Detector Models (DD4 geometry drivers) :

- LumiCal_o1_v03_geo.cpp – *fully reproducing LCal model as in ILD_o1_v05*
- BeamCal_o1_v01_geo.cpp – *ask A.S*
- DDLHCal.cpp – *????*

Reconstruction (DD4 Marlin processors, in FCalClusterer) :

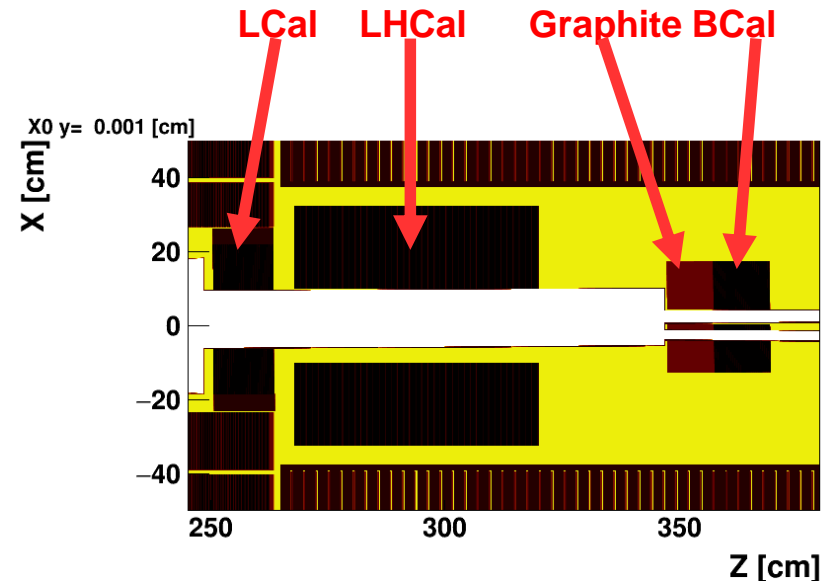
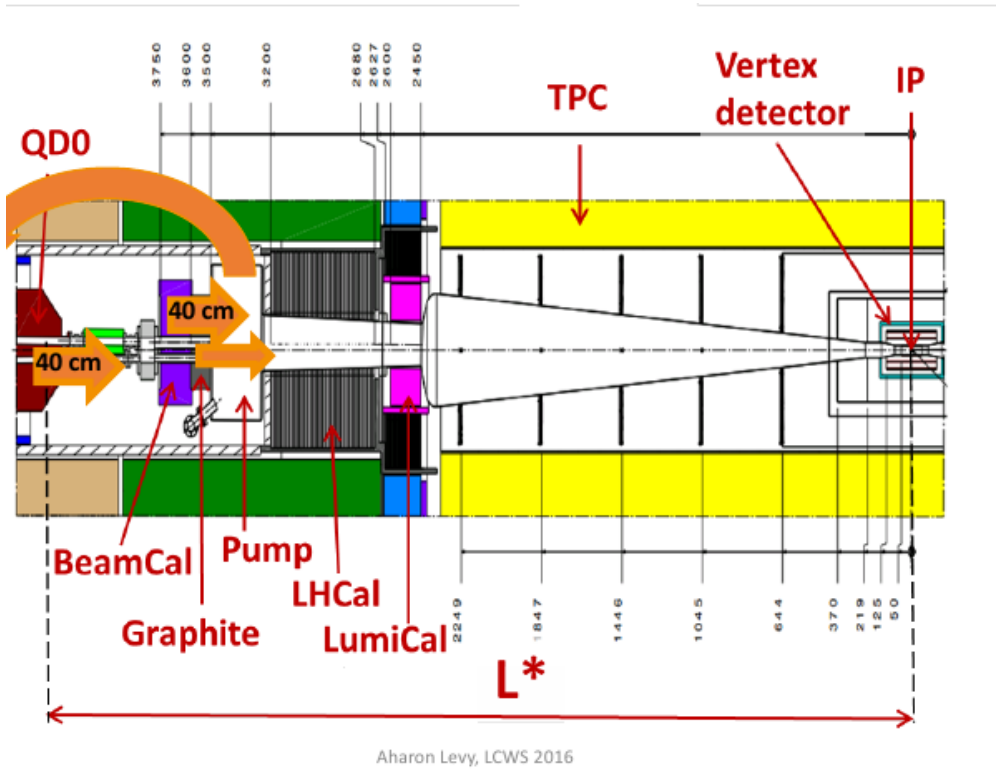
- LumiCal – exists, functional
- BeamCal – exists, functional
- LHCAL – *????*

Positioning – models *ILD_I1_v01* and *ILD_s1_v01*

- See next page ---->

FCAL Components Positions

(*must be updated*)



ILD_I1_v0
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Comparing Aharon's drawing with ILD_I1_v01, the following is observed:

- front of **LCaI** aligned with front of Ecal_Endcup_Plugin in ILD_I1_v01 (as it was in ILD_o1_v05)
- **LHCaI** centered at detector axis (not at outgoing beam pipe as in Aharon's drawing)
- **LHCaI** inner radius not large enough to fit BCaI graphite shielding
- **BCaI** position as for "large L"
- **BCaI** graphite shielding radius and thickness larger then at Aharon's drawing