

FCAL Clustering WG.  
Meeting Minutes.  
March 16, 2015.

Sasha gave a talk about LumiCal LuCaS Simulation and Cluster Position Reconstruction:

- There are some geometrical mismatches between LuCaS and Cluster Reconstruction software which give not correct reconstruction results for LumiCal arm at  $Z < 0$ ;
- Present implementation of the LumiCal reconstruction procedure does not make clear difference between the local and global coordinates which might give wrong reconstruction results in case when beam crossing angle is not zero, for example.

During the discussion

- Andre informed that the transformation between the local and global coordinates is supposed to be well defined in DD4HEP. Also there will be code conventions to identify detector arms for  $Z > 0$  and  $Z < 0$ ;
- For the time being the code of LuCaS and cluster reconstruction software can be modified in arbitrary manner just to make the simulation and reconstruction consistent, though keeping in mind a possible redesign according to the code conventions in the future.

The day and time of the next meeting will be discussed at the FCAL workshop.