

Minutes of the 86th SiD optimization meeting

2016-11-23

Present:

Marty Breidenbach
Tom Markiewicz
Ross McCoy
Andrew Myers
Chris Potter
Dan Protopopescu
Aidan Robson
Anne Schuetz
Bruce Schumm
Amanda Steinhebel
Jan Strube
Andy White

Agenda and points of discussion:

- Material for LCWS plenary talk and PDAP meeting:
Please read the email that Andy White sent to the optimization list and follow up with Aidan and Andy to make sure they have the material they need from you.
- Talks at LCWS:
 - New Simulation model
 - ECAL studies
 - Background from the muon spoilers in the detector
 - SiD overview
- Plans for 2017: Just mentioning a list of topics here, no resource commitments
 - New simulation model / commissioning
 - ECAL simulation and beam test, H- \rightarrow tau tau with focus on π^0 reconstruction
 - HCAL calibration for the scintillators (collaborating with CALICE), then moving on to studies of jet energy resolution
 - Beam cal reco
 - Study of staus in the forward calorimeters. Needs more thought of the FastMC
 - Study of neutrons from the beam dump
 - Study of neutrons produced in the EM shower
 - Note on validating backgrounds produced with Madgraph5 and DELPHES
 - Note on an NMSSM study where the Higgs boson found at the LHC is a heavy one and h is at 60 GeV