

ECal status and to-do

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What do we have?

- Full ECal simulation with signal evolution
- Full DAQ simulation with trigger and data format
- Cluster position corrected for shower depth
- Gain calibration using track matching—works on test run data

What do we need?

- Proper noise simulation (light collection efficiency)
 - ▶ Should be a two-day job
- Cosmics calibration
- More work on track-based calibration
- Pulse shape calibration
 - ▶ Can adapt SVT pulse shape calibration code
- More trigger work
 - ▶ Pion trigger?
 - ▶ Optimizing trigger efficiency for multilepton decays, etc.
 - ▶ Testing sensitivity of the trigger to gain miscalibration and other unknowns

Who's going to do it?

- Nothing on the horizon is at all critical
 - ▶ That doesn't mean we can forget about it—if anything it means that we should bring in other people, since the “core group” needs to focus on other things
- LCSim is the natural environment since all development to date has been done there; some things could be “dummied out” in other environments
 - ▶ The final version should be brought into LCSim
 - ▶ However it's done, must coordinate with software group