

Tasks for the ECal Work Group

1. Coordination

- Maintain good communication between the ECal group and the rest of the collaboration
- Providing frequent reports to the HPS meetings and on the HPS confluence web-site

2. Simulation Development

- Update of geometry from test run & Implementation of the vacuum box
- Digitization and cluster reconstruction implemented in GEMC and lcsim/slic
- Develop two independent calibration concepts

3. Monitoring System

- Develop a concept for a live monitoring system and eventually crystals regeneration
- Build and install a monitoring system

4. APDs and other various electronic upgrades

- Estimate costs and improvements linked to the replacement of:
 1. APDs
 2. pre-amps
 3. mother board
 4. ...
- Installation of all the new materials

5. Integration, installation and maintenance

- Prepare the integration after upgrades (new vacuum box?)
- Install the detector
- Maintain the ECal during the experimental run