

Project Organization and Overview

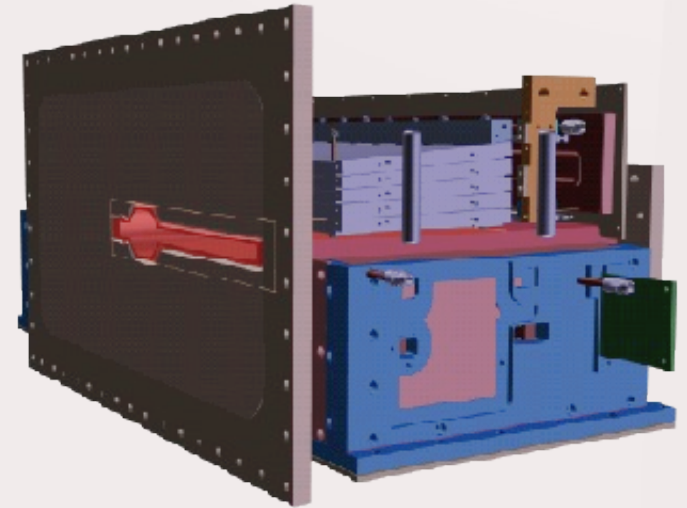
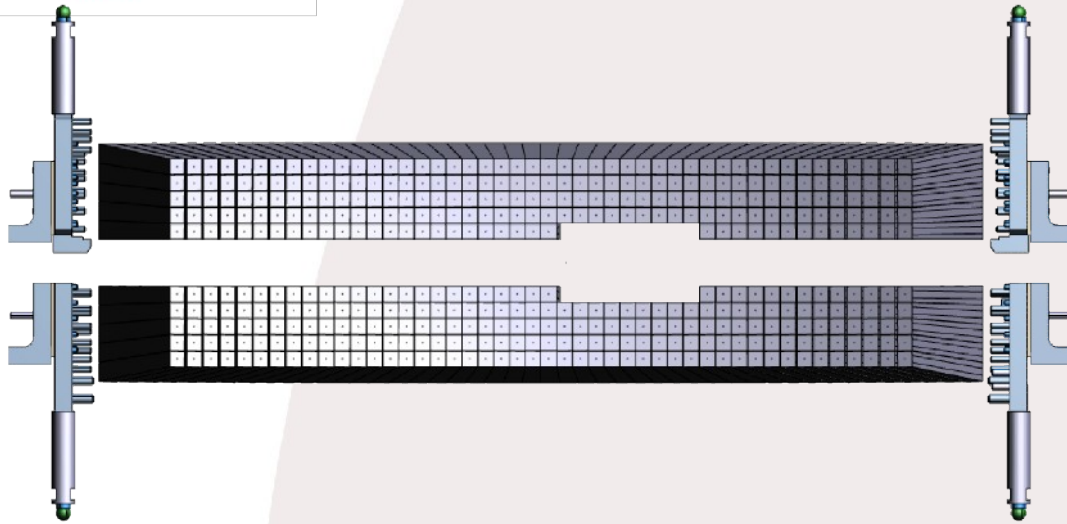
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- **HPS ECal has already been used for test run**
 - Used to identify electrons and positrons
 - Used as main trigger of the experiment
- **Many minor issues**
 - Leads to several electronics updates
- **Two major additions**
 - Large area APDs
 - Light monitoring system

- **Coordination Group**
 - **R. Dupré (chair), S. Stepanyan & M. Battaglieri**
 - **Meets when necessary to coordinate the efforts between institutions**

- **ECal group meetings**
 - **Open group meetings held on Mondays**
 - **Discuss all technical issues**
 - **Discuss progress of the different part of the project**

- **Mother Boards**
 - Replacement because of shortages
 - New design will simplify the routing
 - INFN responsibility
- **Preamplifiers**
 - Update some transistors to newer versions
 - Adapt the gain to the new APDs
 - IPNO responsibility
- **Light Monitoring System**
 - Use LEDs in front of crystals
 - Allows to make time calibration and monitor gain evolution
 - Design by INFN and construction in both IPNO and INFN

- **APD replacement**
 - Allows to enhance the energy measurement precision
 - Allows calibration with cosmic MIPs
 - Procedures and tooling developed by INFN, work done by INFN, IPNO and JLab
- **Mechanics**
 - Adaptation of the thermal box to the new MBs and LMS
 - Installation of the new MBs
 - Creation of a new mounting system for the ECal
 - IPNO responsibility
- **Installation and Commissioning**
 - Plans for installation and commissioning include people from IPNO, INFN and JLab
 - Plans also for calibration, more studies are beginning with simulation to make precise evaluation