

GRPC SDHCAL Review

Welcome to Open TB Session

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CALICE 2011

- CALICE has requested 20 weeks of testbeam time at CERN SPS
Major request
- Two 1m³ prototypes WHcal and **GRPC SDHCAL**
- WHcal 'established' scintillator technology
- **GRPC SDHCAL** 'brandnew' prototype in construction phase
- . Realisation of major importance for CALICE input to ILC Detector DBDs

The purpose of this review is to assess the readiness of the project to go for a large scale test beam in 2011.

Topics addressed

- Introduction to GRPC SDHAL and objectives for 2011
- Chamber and cassette production and quality checks
- PCB production and quality checks
- ASIC production and quality checks
- Status DAQ and slow control
- Online and offline software (simulation and reconstruction)
- Peripherals (Power supply, gas system ...)
- Calibration and threshold adjustment
- Modelling of hardware effects
- From subcomponents to a full detector
How will the full system be commissioned? Will there be a full system check out prior to the test beam?

General questions

- Sharing of responsibilities
- Milestones of sub-projects and their monitoring
- Risks and assessment
- Man power situation

Outcome

- (Short) written report to CALICE Steering Board containing an estimation of readiness of project
 - Can the large request be maintained?
 - Guidelines for TB to monitor construction and assembly
- (where needed organise support of project)