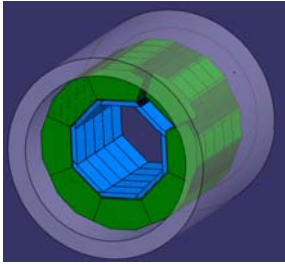


Introduction: passed and future milestones

Felix Sefkow

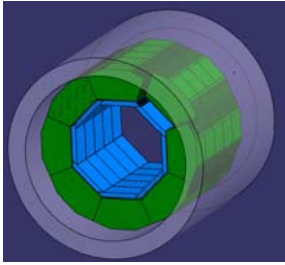


HCAL main meeting
April 18, 2006



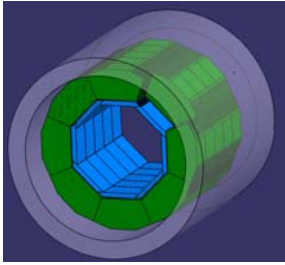
On the agenda

- Prototype production
 - Test beam readiness
 - Calorimeter review at LCWS
 - Next generation prototype
-
- One slide each



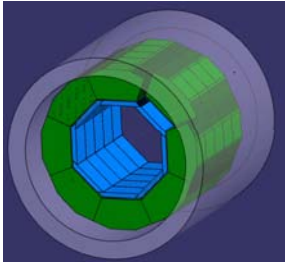
HCAL production

- The last package of scintillator tiles for the physics prototype arrived at DESY last week
 - Almost 8000 SiPMs tested, mounted and delivered
 - **Congratulations to ITEP and MEPHI colleagues!**
- 32 modules ready
- Cabling was interrupted for ~ 2 weeks due to broken machine and need for re-adjustment for cable from new producer
- Schedule for assembly of remaining modules made
 - Finish all 38 by **May 23** - if no new problems
 - Manpower in place
- Repair of # 1 & 2 started
 - Tiles to ITEP for exchange of SiPMs



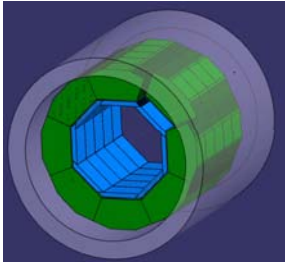
Towards test beam

- The movable stage is moving, cabling up in progress
- Electronics commissioning starts end next week
 - Later than anticipated, but still in time
- Ready for shipping on June 4th
 - Container ordered today
- Installation at CERN beam line H6b starts on June 11
- Main user runs **July 4-18, August 8-22**
 - More in Erika's talk



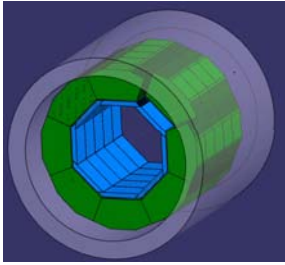
Technical board review

- Test beam readiness
 - Production, commissioning
 - Software tools for fast offline analysis
- Run planning
- Start preparation of move to FNAL end of this year
- Integration of test beam activities
 - Scintillator ECAL with HCAL electronics
 - HCAL test beam plans in the following years



LCWS: Calorimeter R&D review

- WWS R&D panel + world calorimeter experts (non-ILC)
 - Performance of existing prototypes
 - Operation, noise, stability, linearity, resolution
 - Analysis results
 - Detector understanding, potential of the data sample
 - Future R&D plans
 - Coherence of programme
- Document due by mid May (CALICE meeting at Kobe)
- Open session May 31st



Next generation

- February 15: EUDET milestone 1: calorimetry conceptual report submitted
- June 2007
- first AHCAL front end ASIC prototype submission
- June 2007: DAQ first prototype
- End of 2007:
- HCAL mechanical design concept
 - Start prototyping now
- Calibration system single channel prototype
 - Learn from CMB experience



Have a nice meeting!