



# CASTOR NEWS

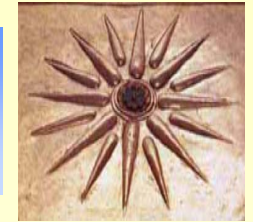


- Informal EDR on 27.5.:
  - Discussion on possible schedule
  - Several integration issues still under discussion → needs permanent attention.
- Procurements & Production underway:
  - Light guide design in optimization, shielding against magnetic and electric stray fields → thanks to Uli, Peter & Carsten  
prototypes delivered last Wednesday: not satisfactory ☹
  - Production of Q-plates from DELPHI Quartz for ( $\frac{1}{2} \rightarrow \frac{1}{4}$ ) CASTOR in progress, market study for rad-hard Quartz under way (e.g. Heraeus & Schott & US → Schott made an attractive offer, now under radiation study for strong radiation in EM section, plates in final shape could be delivered until October → produce 2nd half of CASTOR with rad-hard Quartz.
  - Laser/LED work almost finished by ITEP physicist @ CERN
  - W plates in production
  - First PMT's delivered to Adana for characterization





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- Procurements & Production underway (cont.):
    - Electronics still on critical path:  
production of FE boards @ DESY underway,  
production of backplanes for readout crates @ DESY in progress,  
CCM modules via CERN, more expensive, delayed,  
serious problems with the production of PMT bases in Russia.
    - No trigger hardware available → will get read out electronics from HCAL group (now a much better relationship ☺)
  - Progress on test beam analysis: final results on non-uniformity due to optics with quartz-plates & light guides → CMS note in the process of being updated → publication hopefully soon out.
  - CASTOR milestones in the near future:
    - Testing QIE @ CERN (this weekend)
    - Test beam: mounting 9-11 June, standard beam: 12-23 June, extension for low energy data: 23-27 June.  
This time much better prepared → hope for better efficiency
    - HCAL electronics → point 5: 7 July → installation
    - CASTOR support from DESY → CERN: ~10. July, then filling & testing
    - Ready to be installed: ~15 July.
- ➔ Installation this year is crucial for real data taking in 2009 !
- ➔ Good data taking in 2009 is crucial for the understanding of the underlying event @ LHC and further for SLHC !

