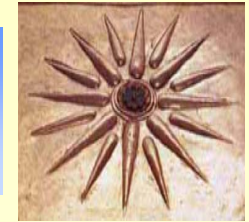




CASTOR NEWS

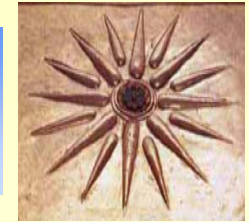


- Follow-up EDR passed on 8. April 2008:
 - Detailed description of installation procedure discussed, now possibly pre-installation on surface (CMS tradition ☺)
 - Several integration issues still under discussion: patch panel, cabling, position monitoring, cooling ... several groups involved (BCM, TOTEM, ...) → needs a lot of attention.
- Procurements & Production underway:
 - Light guide design in optimization, shielding against magnetic and electric stray fields → thanks to Uli, Peter & Carsten but still not finalized, 3D model revealed non-fitting for EM section
 - EM quartz-plates being produced in INR still under irradiation study
 - Production of Q-plates from DELPHI Quartz for ½ CASTOR in progress, market study for rad-hard Quartz under way (e.g. Heraeus & US), seems to be feasible within time and radiation budget, 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 initiated,
CCM modules via CERN, more expensive, order still not out,
serious problems with the production of PMT bases in Russia.
- Progress on test beam analysis: Igor made very significant progress in understanding the in-homogeneity of the calorimeter response, optical simulations confirm non-uniformity of light guide efficiency → several measurements planned for test beam mid June, which could lead to improvement, optical simulations underway.
- CASTOR milestones in the near future:

1	Construction-assembly 1/2 -skeleton	30 May (wk 22)
2	Fabrication 560 Q-plates (4+2 mm)	23 May (wk 21)
3	Fabrication 112 light guides	30 May (wk 22)
4	Testing 125 PMTs + bases	16 May (wk 20)
5	FE/Trigger/DAQ electronics	25 July (wk 30)
6	Assembly 1/2 calorimeter	13 June (wk 24)
7	Testing & mounting on table	04 July (wk 27)
8	Installation in beam line 1/2 calo	25 July (wk 30)

} Also test beam !

