



6th Meeting of the Joint CERN- Pakistan Committee

Summary of activities under 2006 protocol
(not covered by other speakers)

CERN, June 7, 2011



CMS RPCs

- Significant and successful contribution of Pakistani team to
 - detector operation with emphasis on power, cooling, temperature monitoring systems
 - data taking with heavy shift load
 - lab activities to prepare RE4 and spare chambers
- Highly motivated, competent team, well integrated into CMS-wide RPC team
- More sustained, continued presence of people desirable
- Emphasis of 2011-2012 activities should move to performance evaluation
 - Excellent opportunity to get young physicists involved

Category A M&O

- Pakistan has duly paid all M&O-A up to and including 2010
- They have received the 2011 invoice
- Assume this will be paid as usual around June-July 2011

CLIC

- NCP is participating in CLIC activities, as a support for the engineering design of the two-beam prototype modules to be installed in CLEX (CLIC Experimental Area) – part of a new collaboration which started in September 2010.
- CERN required mechanical engineers capable to work with CATIA:
 - Each engineer stays at CERN for a period of three months.
 - Main task: development of dedicated tooling for the assembly of several types of CLIC x-band RF structures.
- Contribution is highly appreciated, and the quality of the work is remarkable!

Grid computing

- NCP is participating in the LHC Computing Grid (LCG)
- Operating a Tier-2 centre which is used by CMS and also by ALICE
- Have met their pledges towards LCG in CPU terms and recent acquisitions should improve the storage capacity.
- Reliability/availability of the grid site as measured by LCG is improving (98% in May 2011) though the region suffers from poor networking connectivity and unstable electricity supplies.