



TOTEM

06 August 2013

**Minutes of the 12th LHC Resource Review Board Meeting
(CERN, Geneva, 16th April 2013)**

Present:

N. Fejksová (Ministry of Education, Youth and Sports, Prague, Czech Republic)
J. Aysto (Helsinki Institute of Physics, University of Helsinki, Finland)
T. Csörgö (Wigner RCP, RMKI, Budapest, Hungary)
A. Zoccoli (INFN, Sezione di Roma, Italy)
F. Bedeschi (INFN, Italy)
K. Eggert (CWRU, United States of America)

TOTEM

S. Giani, J. Baechler, E. Radicioni

CERN

S. Bertolucci, P. Bloch, T. Lagrange, S. Lettow, R. McLaren, J. Salicio Diez, E. van Hove

Scrutiny Group

C. Touramanis, E. Iacopini, D. Vilanova

Excused

S. Foffano, R. Heuer, E. Tsesmelis (CERN)

Documents can be found in the RRB indicio pages; accessible via the LHC-RRB home page
<http://cern.ch/committees/all/welcomeLHCRRB.html>

1. Introduction. S. Bertolucci, Director of Research and Scientific Computing.
S. Bertolucci welcomed delegates to the meeting.

2. Approval of the minutes of the last meeting. S. Bertolucci, Director of Research and Scientific Computing.
The minutes of the last RRB CERN-RRB-2013-006 were approved with no comments.

3. Status of the TOTEM experiment. S. Giani, Spokesperson.
The presentation can be viewed via the agenda.

S. Giani's presentation focussed on seven main areas:

- The status of the experiment
- Experimental Setup @ IP5
- TOTEM Publications after RRB Oct' 12

- Elastic pp Scattering at 7 TeV: Differential Cross-Section
- Analysis Highlights from LHCC Mar'13
- ρ Measurement: Elastic Scattering at Low $|t|$
- TOTEM Consolidation & Upgrade Plans

S. Giani concluded his presentation with the following remarks and conclusions:

- Physics analyses advanced towards joint publication with CMS on $dN_{ch}/d\eta$ @ $\sqrt{s} = 8$ TeV and towards publication of paper on study of Coulomb-hadronic interference region in low- t elastic scattering at $\sqrt{s} = 8$ TeV .
- LS1 TOTEM consolidation plans presented to the LHCC. Initiated discussion and work for preparing TOTEM Upgrade Proposal to the LHCC including physics cases, detector performances, running scenarios, physics performances, timeline.
- New institute applied to join TOTEM: University of West Bohemia. Decision and formalization in June.

4. LHCC Deliberations (paper only). S. Bertolucci, Director of Research and Scientific Computing (reporting on behalf of E. Tsesmelis, LHCC Scientific Secretary).
CERN-RRB-2013-023

The LHCC congratulates TOTEM for their successful physics runs and for the experiment's physics results.

There were no questions or comments arising from this presentation.

5. Financial matters. T. Lagrange, Head, CERN Finance Dept.
CERN-RRB-2013-024 (report), CERN-RRB-2013-049 (presentation)

T. Lagrange presented the updates with respect to the Financial Report.

For the M&O, the additional Contributions that had been received as of 1 March 2013 amounted to 192 kCHF. For member states, outstanding M&O contributions stood at 231 kCHF for 2013. For non-member states, outstanding contributions totalled 17 kCHF for 2013.

There were no questions or comments arising from this presentation.

6. Construction and M&O Budgets. S. Giani, Spokesperson.
CERN-RRB-2013-020 (presentation).

S. Giani presented the Cat. A and Cat. B contributions by Funding Agencies and the Expenditures and Balance book on 31 Dec 2012.

Turning to the M&O Cat A. status for 2013, the Resource Coordinator reported on the status, by Funding Agency, of the contributions and noted that:

- TOTEM figures are consistent with the data presented by FI Dpt. within 1kCHF precision.
- CERN, Finland, Estonia already paid the 2013 contributions.
- INFN and Prague are transferring the money.
- US and HU have paid all past outstanding contributions.

And that for M&O Cat.B status 2013

- Fundings are regularly ongoing at the TOTEM collaborating institutes

Looking ahead to 2014, he presented the preliminary TOTEM M&O-A&B budget requests as 422 kCHF and 247 kCHF respectively.

S. Giani concluded that:

- TOTEM is grateful to the funding agencies for their financial contributions, to CMS for the fruitful collaboration on detectors and physics, and to the accelerator optics group for their continued developments.
- TOTEM has published 7 physics papers and analyses are on-going on standalone data and combined data with CMS. Consolidation and upgrade plans are being iterated with the LHCC.
- TOTEM is looking forward to iterating with the Scrutiny Group on the required reviews in order to finalize the 2014 M&O budget request.

J. Aysto asked about the future of the T2 telescope; especially the maintenance. S. Giani replied the main use of T2 was to allow the experiment to carry out the full physics programme at 14 TeV. In addition, T2 is a key detector for CMS.

7. Summary. S. Bertolucci, Director of Research and Scientific Computing.

There being no further business, S. Bertolucci thanked the delegates and closed the meeting. The proposed dates for the next RRB are 28-30th October 2013.