



2011

TOTEM

14 October

**Minutes of the 8th LHC Resource Review Board Meeting
(CERN, Geneva, 12 April 2011)**

Present:

D-O. Riska (Helsinki Institute of Physics, Finland)
T. Csorgo (MTA KFKI RMKI, Hungary)
F. Ferroni (INFN Roma, Italy)

CERN

S. Bertolucci, J. De Groot, T. Lagrange, R. McLaren, J. Salicio-Diez, E. Van Hove

TOTEM

J. Baechler, K. Eggert, S. Giani, S. Lami

SCRUTINY GROUP

B. Loehr (Chair), S. Schmeling

Apologies

O. Novak (Ministry of Education, Youth and Sports, Czech Republic)
J. Ridky (Institute of Physics AS CR, Czech Republic)
M. Turala (Institute of Nuclear Physics PAN, Poland)
R. Heuer, S. Lettow, E. Tsesmelis (CERN)

Documents can be found in the RRB indico 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 and congratulated the experiment on the physics results.

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-2011-005 were approved with no comments.

3. Status of the TOTEM experiment. K. Eggert, Spokesperson.
CERN-RRB-2011-050 (slides).

K. Eggert's presentation focussed on six main areas:

- Detector installation shutdown 2010/11

- Status of T1, installation, positioning and first tracks
- T2 shutdown activities
- Roman Pot completion and installation at 147m
- Results from 2010
- Special runs and running strategies for 2011

He concluded by thanking:

- CMS for installation help and constant advice
- LHC machine for their patience
- The CERN management for their continued confidence and support
- The Funding agencies that they made TOTEM possible

D-O. Riska congratulated the experiment for having completed the installation and for already having beautiful results with new physics. This sentiment was echoed by F. Ferroni and T. Csorgo.

4. LHCC Deliberations (paper only). S. Bertolucci, Director of Research and Scientific Computing (reporting on behalf of E. Tsesmelis, LHCC Scientific Secretary).
CERN-RRB-2011-042

S. Bertolucci reported that the LHCC congratulates TOTEM for the successful installation and commissioning of the T1 Telescope and of the Roman Pot detectors for the stations at 147 m. during the 2010-2011 Technical Stop.

5. Financial matters. T. Lagrange, Head, CERN Finance Dept.
CERN-RRB-2011-012 (report)

T. Lagrange presented the changes with respect to the report on the 28th February.

For the M&O, the additional Contributions that had been received after 28th February amounted to 74 kCHF. For member states, outstanding M&O contributions stood at 9 kCHF for the past and 216 kCHF for 2011. For non-member states, outstanding contributions totalled 40 kCHF for 2011.

There were no questions or comments arising from this presentation.

6. Construction and M&O Budgets. S. Giani, Resource Coordinator.
CERN-RRB-2010-051 (slides).

S. Giani presented the Cat. A and Cat. B contributions by Funding Agencies for the book-closing on 31 Dec 2010.

Turning to the M&O status for 2010, the Resource Coordinator reported that:

- TOTEM figures are consistent with the data presented by FI Dpt. within 1kCHF precision.
- CERN had paid the 2011 contribution and US had paid a fraction.

- Finland and Prague paid the 2011 contribution after 28 Feb.
- Invoices have been sent to all the collaborating institutes.

Reporting on the Construction, S. Giani commented that:

- The construction budget expenditures have progressed according to the projections and figures presented to the RRB in October 2010.
- The T1 telescope has been fully installed. CERN is managing the costs reimbursement for both CMS and TOTEM (TOTEM = 90k).
- The TOTEM experiment construction has been completed.
- The residual gap between Projections and Paid-expenditures represents the foreseen cost for linking to CMS DAQ, which will have to be duly managed and funded

He also showed the 2010 book-closing of the Financial Matrix which gives a breakdown by system and by Funding Agency.

Looking ahead to 2012, he presented the preliminary TOTEM M&O budget request noting that the total M&O budget envelope is 440 kCHF; the same as 2011. This is in line with the table of projections done with the SG during the previous years.

He proposed to maintain Cat.B contributions constant at 247k CHF as foreseen in the projections.

S. Giani concluded that:

- TOTEM is grateful to CERN for the financial support on the installation of the T1 detector and to CMS for the collaboration on the related technical challenges
- TOTEM has completed the experiment construction and it is going to be operational on 2011 data taking and runs at LHC to pursue its physics objectives
- TOTEM is looking forward to iterating with the Scrutiny Group on the required reviews in order to finalize the 2012 M&O budget request.

D-O. Riska said that the budget requests looked well justified and that there should be no problem for Finland.

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

S. Bertolucci reiterated his congratulations for the effort and for the results.