

**LHCb****November 2014**

**Minutes of the 33rd LHC Resource Review Board Meeting
(CERN, Geneva, 15th October 2014)**

Present

Y. Zhang (National Natural Science Foundation of China, China)
U. Bassler, R. Le Gac (CNRS/IN2P3, France)
H. Prasse (Federal Ministry of Education and Research, BMBF, Germany)
H. Mahlke, M. Groll (BMBF/DESY-PT, Germany)
U. Uwer (University of Heidelberg, Germany)
A. Zoccoli (INFN, Italy)
F. Bedeschi (INFN – Sezione di Pisa, Italy)
G. Passaleva (INFN – Sezione di Firenze, Italy)
A. van Rijn (NIKHEF, The Netherlands)
D. Drewniak (Ministry of Science and Higher Education, Poland)
F.D. Buzatu (Institute of Atomic Physics, Bucharest, Romania)
F. Maciuc (IFIN-HH, Romania)
F. del Aguila ((Ministry of Economy and Competitiveness, Spain)
A. Gallas (Universidade de Santiago, Spain)
P. Vonlanthen (Swiss National Science Foundation, Switzerland)
O. Schneider (EPFL Lausanne, Switzerland)
G. Blair (STFC, United Kingdom)
A. Medland (STFC, United Kingdom)
A. Golutvin (Imperial College London, United Kingdom)
C. Parkes (University of Manchester, United Kingdom)
M. Coles (National Science Foundation, United States of America)

LHCb

C. D'Ambrosio, R. Lindner, M. Pepe-Altarelli, A. Schopper, G. Wilkinson

CERN

S. Bertolucci, C. Decosse, S. Foffano, T. Lagrange, S. Lettow, E. Tsesmelis, E. van Herwijnen (Scientific Secretary), E. van Hove

Scrutiny Group

C. Touramanis, E. Iacopini, D. Vilanova

Excused

A. K. Maciel (RENAFAE, Brazil), S. Gonzalez (National Science Foundation, United States of America),
R. Heuer (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 LHCB LHC Resource Review Board.

2. Approval of the minutes of the last meeting. S. Bertolucci, Director of Research and Scientific Computing.
CERN-RRB-2014-060
The minutes of the last RRB meeting were approved without comment.

3. Status of the experiment and of the LHCb Upgrade. G. Wilkinson, spokesperson
Add 2 to the MoU: upgrade, CERN-RRB-2014-091, CERN-RRB-2014-092, CERN-RRB-2014-093 (slides)

In summary:

- LHCb continues to harvest rich results from Run I, with many more important papers still foreseen
- LHCb will be ready and fully operational for Run II. Ambitious, but realisable, changes to operation planned to increase physics output and optimise resources.
- Upgrade preparations are entering a new, exciting phase
 - all system TDRs approved: we have all technologies defined
 - final R&D, procurement, and construction underway/about to start
 - resources now needed to be on track for installation in LS2 !

There were no questions arising from this presentation.

4. LHCC Deliberations (paper only). E. Tsesmelis, LHCC Scientific Secretary.
CERN-RRB-2014-094

The LHCC considers that LHCb has made excellent progress in all aspects of the experiment and the Committee congratulates the LHCb Collaboration on its achievements. The Tracker and Trigger and Online Upgrade TDRs have been approved by the LHCC. The physics progress and LS1 activities are consistent with the previous presentation by the spokesperson.

5. Financial matters. T. Lagrange, Head of CERN Finance and Procurement Department
CERN-RRB-2014-095 report and slides

Additional contributions received since September 1st: 43K CHF Poland. This leaves as outstanding contributions for the member states 360K CHF. Non-member states outstanding 119K CHF. The total outstanding contributions for 2014 amount to 478K CHF, which is 18%.

There were no questions arising from this presentation.

6. Budgets. C. D'Ambrosio Resource Coordinator.
CERN-RRB-2014-069, CERN-RRB-2014-070 (slides)

In summary:

- From LS1, a ~10% overall overspending appears in our budget lines for 2013-2014, as expected. We are using the funds, buffered from previous years with the approval of RRB, to replenish the deficit.
- In fact, important consolidation in detector related items has been carried out in the years 2013-2014, while we prepare a complete refurbishing of our farm and controls for end 2014 beginning 2015.
- We are keeping our budget constant. As agreed with the SG, we have increased of 20K CHF the core computing line (to reach a total of 190K CHF). Resources have been found in non-critical lines, as Laboratory and General Services.
- Cat. B funds and resources are healthy and they seem to have taken well the increased LS1 activities, thanks to well planned/anticipated expenditures (Calo, Muons and Outer Tracker), although we expect a small increase in expenditures for some detectors (see RICH HPD refurbishing and mechanics) towards the end of year 2014.

There were no questions arising from this presentation.

6.3 M&O Scrutiny Group Report Christos Touramanis, Chair, Scrutiny Group.

CERN-RRB-2014-074

- The Scrutiny Group reviewed the 2013 book closing report and the 2015 budget requests and their findings are compatible with C. D'Ambrosio's presentation.
- 20K CHF was moved from one budget line to another.
- The Scrutiny Group recommends the approval of the LHCb 2013 M&O closing report.
- The Scrutiny Group recommends approval of the LHCb2015 M&O A&B budget requests.

S. Bertolucci requested the RRB to approve the 2015 budget requests.

8. 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 27-29 April 2015.