



ALICE

01 March 2012

**Minutes of the 31st LHC Resource Review Board Meeting
(CERN, Geneva, 19th October 2011)**

Present:

O. Novak (Ministry of Education, Youth and Sports, Czech Republic)
D. Adamova (Nuclear Physics Institute ASCR, Czech Republic)
P. Hansen (Niels Bohr Institute, Denmark)
D.-O. Riska (Helsinki Institute of Physics, University of Helsinki, Finland)
P. Rebourgeard (CEA/IRFU, France)
D. Guillemaud Mueller (CNRS/IN2P3)
D. Muller (GSI-PT / BMBF, Germany)
G. Vesztergombi (KFKI-RMKI, Hungary)
F. Cervelli (INFN, Italy)
M. Basile (INFN and University of Milano, Italy)
H. Kim (Ministry of Education, Science and Technology, Korea)
U.-K., Yun (National Research Foundation of Korea, Korea)
I.-K. Yoo (Korea)
A. Van Rijn (NIKHEF, Netherlands)
F. Linde (NIKHEF, Netherlands)
B. Jacobsen (The Research Council of Norway, Norway)
J. Królikowski (Ministry of Science and Higher Education/ University of Warsaw, Poland)
T. Siemiarczuk (Soltan Institute for Nuclear Studies, Poland)
M. Kowalski (Krakow, Poland)
F.D. Buzatu (Institute of Atomic Physics, Romania)
V. Matveev (Institute for Nuclear Research of the Russian Academy of Sciences, Russia)
V. Savrin (Institute of Nuclear Physics, Moscow State University, Russia)
M. Itkis (Joint Inst. for Nuclear Research / JINR, Russia)
D. Filatov (Ministry of Education and Science, Russia)
Y.V. Kozlov (Ministry of Education and Science, Russia)
Z. Hlavacikova (Ministry of Education, Science, Research and Sports, Slovak Republic)
D. Adams (Department of Science and Technology, South Africa)
V. Spanenberg (Ithemba LABS, South Africa)
F. del Aguila (Universidad de Granada, Spain)
P. Karlsson (Swedish Research Council, Sweden)
G. Zinovjev (Bogolyubov Institute for Theoretical Physics, Ukraine)
A. Medland (STFC, United Kingdom)
D. Evans (University of Birmingham, United Kingdom)

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C. Decosse, P. Giubellino, J. Hadre, W. Riegler, J. Wessels, F. Carminati, Y. Schutz

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S. Bertolucci, J. de Groot, S.Foffano (observer), S. Lettow, R. McLaren, C. Saitta, J. Salicio Diez, E. Van Hove

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Scrutiny Group
S. Schmeling, B. Loehr

Excused
T. Csorgo (KFKI, Hungary)
E. Tsesmelis
P. Bloch
R. D. Heuer
S. Katta
T. Lagrange

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.

2. Approval of the minutes of the last meeting. S. Bertolucci, Director of Research and Scientific Computing
CERN-RRB-2011-061 (report)
The minutes of the last ALICE RRB were approved without comment.

3. Status of the experiment. P. Giubellino, Spokesperson
CERN-RRB-2011-081 (report). The slides can be consulted on RRB web page

P. Giubellino began by recalling some of the major events of the last 6 months, which included:

- An amazing harvest of physics results
 - 41 presentations and > 70 posters at QM 2011, 28 at SQM 2011
- A very important pp run
 - 2.76 TeV pp run to accumulate reference data for PbPb comparison at the same energy
 - 7 TeV running to
 - Complete Minimum Bias statistics
 - Collect an important sample of comparison data with rare triggers
 - New mode of operation for ALICE
- Preparing the HI Run
 - Last weeks of preparation (commissioning of HLT and triggers)
- Defining the strategies for the future
 - Upgrade plans

He then presented news from the collaboration, detector status, ALICE 2011 running and spoke about Background issues and the upcoming Heavy Ion run. He continued with a detailed summary of physics results.

Turning towards the future, P. Giubellino presented the plan for ALICE HI runs until 2020 and details of the 2011/2012 Winter shutdown. He then outlined the upgrades with the ongoing R&D activities and the phase I and II installation plans.

In summary P. Giubellino stated that:

- ALICE continues to harvest the results of the first HI run and of the pp runs
- The Detector continues to provide excellent performance, and ALICE as a whole confirms its readiness and commitment
- Looking forward to the upcoming HI run!

He then thanked the Funding Agencies for their continued support.

F. Cervelli enquired about the problems in the TPC and Pixel detectors. P. Giubellino replied that for the TPC the problems had been mitigated by lowering the voltage; the effect on the resolution has been quantified in the order of a fraction of a percent. For the Pixels, the problem cannot be resolved until the long shutdown.

4. LHCC Deliberations (paper only). S. Bertolucci, Director of Research and Scientific Computing (replacing E. Tsesmelis, LHCC Scientific Secretary).
CERN-RRB-2011-091 (report)

On behalf of the LHCC, S. Bertolucci reported that the committee considers that ALICE has made excellent progress in all aspects of the experiment and congratulates the Collaboration on its achievements.

5. Financial matters. C. Saitta, CERN Finance and Procurement Department
CERN-RRB-2011-075 (report), CERN-RRB-2011-102 (presentation)

C. Saitta reported on changes since the above Financial Report.

Looking at the Construction CORE Common Fund, Commissioning and Integration, outstanding contributions totalled 242 kCHF.

For M&O-A, an amount of 376kCHF had been received from France and 89kCHF from Korea. For the Member States, there were outstanding contributions from Denmark (46 kCHF), Hungary (23 kCHF), Poland (177 kCHF) and Spain (31 kCHF). For the non-Member States there was 264 kCHF outstanding.

There were no questions arising from this presentation.

6. Construction Budgets. C. Decosse, ALICE Resource Coordinator
CERN-RRB-2011-083 (report) CERN-RRB-2011-085 (slides)

C. Decosse presented the CORE draft budget request of 1.4 MCHF for 2012. She continued with a graph showing the Core expenditure from 1997–2010 and estimates for 2011–2012. Turning to the Common Fund and C&I contributions from 1997 until 2011, C. Decosse stated that there were outstanding amounts from China (112 kCHF), India (100 kCHF) (payment expected before Spring). A letter has been sent to the KIPT Kharkov concerning the longstanding debt of 30 kCHF; if the situation remains unchanged they will be invited to become an associate member.

C. Decosse moved on to the M&O-A contributions 2002–2011 where there was a total of 534 kCHF outstanding; she reminded the delegates of the rules on outstanding contributions.

She then presented the current situation of M&O-A 2011 before moving on to the draft budget for 2012-2015 illustrating the reduction of the M&O-A budget request for the period 2012-2014 and the sharing of the 2012 budget between Funding Agencies.

M&O-C: CERN Investments on ALICE P2 infrastructure would focus on:

- Renewing the ageing infrastructures at LHC-P2
- ~ 1 MCHF for the large cranes in building SXL2 and SX2
- ~ 450 kCHF for the entrance door of the SXL2 hall
- Building 3294 will have an addition floor for a cost of ~ 400 kCHF.

C. Decosse then presented the Maintenance & Operations Cat. B 2012 draft budget and estimates for 2013-2015 and gave a breakdown of the 2012 M&O-B draft budget by sub-projects and by Funding Agencies and projects.

She concluded her presentation with the status of the Memorandum of Understanding (MoU)

- South Africa signed the MoU in March 2011
- Still pending: Brazil and China
- Under preparation addendum for two Indian Institutes: Bose Institute in Kolkata and Gauhati University in Guwahati

B. Loehr remarked that the scrutiny of M&O-B had been difficult for all experiments and above all for ALICE. It was a painful task for the project leaders and he thanked them for the information. He felt that in-kind manpower costs should not be included in future exercises.

He then returned to the high cash balance of ALICE. He felt that having a contingency fund was necessary, but limits should be established by the RRB, the Scrutiny Group and the experiments before the spring RRB.

F. Cervelli agreed that experiments need contingency. However, he officially requested that contingency funds should be presented and agreed by the RRB. This request concerned all experiments.

F. Cervelli continued with a comment on M&O-B; Italy pays 33% however its official share (based on calculations for M&O-A) is 20%. He felt that this situation would need some attention in the future.

B. Loehr commented that neither the current MoUs nor the mandate of the Scrutiny Group, covered the scrutiny of M&O-B.

T. Medland echoed F. Cervelli's request for approbation of contingency funds by the RRB and asked if the smoothing of the budget had a negative impact on the scrutiny process. S. Bertolucci replied that smoothing of the budget was designed to help the Funding Agencies and the experiments in long range planning; however, there was no reason that smoothing should reduce transparency.

The RRB endorsed the ALICE budget proposal.

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 23rd – 25th April 2012