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PRINCIPAL LHCC DELIBERATIONS

24TH MEETING OF THE ALICE RESOURCES REVIEW BOARD

16 APRIL 2008

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GENERAL

This document summarises the principal LHCC deliberations concerning ALICE at the Committee's sessions in November 2007 and February 2008.

Successful ALICE global commissioning runs have been completed and have included data-taking runs with multiple detectors and with the use of the ALICE Trigger/DAQ system. The LHCC considers that, following a number of detector stand-alone and global commissioning runs, the initial ALICE detector will be ready by May 2008.

CONCERNS FROM THE PREVIOUS ALICE RESOURCES REVIEW BOARD

SUB-SYSTEM	CONCERN	STATUS
Photon Multiplicity Detector (PMD)	Concerns remain on the detector being able to meet its ready-for-installation milestone.	Modifications are being put in place to protect the MANAS read-out electronics of the Photon Multiplicity Detector (PMD) from sparking. This results in a reduced number of PMD modules and electronics installed in time for the LHC run in 2008.

EXPERIMENT SUB-SYSTEMS

GENERAL

Installation of the compensator magnets together with their platform as well as the installation and cabling of the MINIFRAME services-carrying structure have been completed.

INNER TRACKING SYSTEM

Commissioning of the Inner Tracking System (ITS) is proceeding well.

TIME PROJECTION CHAMBER

The repair of the Time Projection Chamber (TPC) bus-bars used for the low voltage distribution to the front-end cards has been completed on schedule and in time for the ALICE global commissioning run.

PARTICLE IDENTIFICATION DETECTORS

Installation of Time-of-Flight (TOF) modules is proceeding well. Commissioning of the High Momentum Particle Identification Detector (HMPID) is advancing well. A gas leak in the Transition Radiation Detector (TRD) wire chambers was detected, warranting a repair. The detailed repair schedule is being established and it appears that a reduced number of TRD modules will be ready in time for the LHC run in 2008.

DIMUON FORWARD SPECTROMETER

Installation and commissioning of the tracking and trigger chambers of the Dimuon Forward Spectrometer are advancing well. Noise in some tracking stations has been identified and is under investigation.

FORWARD DETECTORS

Modifications are being put in place to protect the MANAS read-out electronics of the Photon Multiplicity Detector (PMD) from sparking. This extra work results in a reduced number of PMD modules and electronics installed in time for the LHC run in 2008.

CALORIMETERS

Installation of the support structure for the Electromagnetic Calorimeter (EMCAL) is complete. Condensation on the Photon Spectrometer (PHOS) has been attributed to insufficient air tightness and has resulted in the need to re-design the PHOS enclosure. Only one PHOS module will be operated during the initial LHC running period.

TRIGGER, HIGH-LEVEL TRIGGER AND DAQ

The central Trigger, High-Level Trigger and DAQ are well-advanced and have been integrated with the various sub-detectors for the ALICE global commissioning runs.