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PRINCIPAL LHCC DELIBERATIONS

3RD MEETING OF THE TOTEM RESOURCES REVIEW BOARD

11 NOVEMBER 2008

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SCIENTIFIC SECRETARY, LHCC

GENERAL

This document summarises the principal LHCC deliberations concerning TOTEM at the Committee's sessions in May, July, September 2008.

CONCERNS FROM THE PREVIOUS TOTEM RESOURCES REVIEW BOARD

SUB-SYSTEM	CONCERN	STATUS
TOTEM read-out electronics.	The availability of the TOTEM front-end electronics is late.	Production of the full read-out electronics for the T1 Telescope, T2 Telescope and Roman Pot stations is in progress and remains on the critical path.

EXPERIMENT SUB-SYSTEMS

T1 AND T2 TELESCOPES

Production of the T1 Telescope Cathode Strip Chambers (CSCs) is approaching completion, but some of the chambers need to be reproduced due to issues of planarity of the original chambers. Fabrication of the Gas Electron Multiplier (GEM) chambers for the T2 Telescope is complete. The support of the T2 Telescope moved during the CMS magnet powering and a technical analysis of the event is in progress. During the 2008-2009 shut-down period, TOTEM plans to complete the installation of the T1 and T2 Telescopes at the LHC.

ROMAN POT STATIONS

All Roman Pot stations at 147 m. and at 220 m. from the interaction point have been installed in the LHC tunnel. Two of the stations have been equipped with silicon detectors and need to be commissioned. During the 2008-2009 shut-down period, all Roman Pot stations at 220 m. from the interaction point are expected to be equipped with detectors, while only some of the Roman Pot stations at 147 m. from the interaction point will be so equipped in order to learn more about background and radiation.

READ-OUT ELECTRONICS

Production of the full read-out electronics for the T1 Telescope, T2 Telescope and Roman Pot stations is in progress and remains on the critical path.