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Type: **Talk**

Performances of the ALICE detector with first pp collisions from LHC Run 3

Wednesday 31 August 2022 11:00 (25 minutes)

The ALICE experiment has undergone major upgrades during the LHC long shutdown 2, to make both detectors and computing infrastructure cope with the increased luminosity of LHC in Run 3 (2022-25).

The Inner Tracking System and the Time Projection Chamber have been significantly upgraded and new Muon Forward Tracker and Fast Interaction Trigger detectors have been installed. Also, the readout of all detectors has been upgraded and the data acquisition and analysis infrastructure has been completely redesigned to allow for continuous readout and synchronous reconstruction.

In this presentation a description of the upgrade will be given and detector performance and preliminary physics outcomes of the experiment will be shown, obtained with the first successful pp collisions delivered during the so called “pilot beam” periods at 900 GeV at the beginning of LHC Run3.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

ALICE

Is the speaker for that presentation defined?

Yes

Details

Speaker indicated by the ALICE Conference Committee

Internet talk

Maybe

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Session Classification: Heavy Ion Collisions and Critical Phenomena

Track Classification: Main topics: Heavy Ion Collisions and Critical Phenomena