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Type: Talk

Performance studies of Micromegas detectors in ATLAS with Run3 data

Thursday, July 20, 2023 4:00 PM (20 minutes)

The Micromegas detectors are part of the New Small Wheel (NSW) system of the ATLAS experiment, the largest upgrade project of Phase-1. Together with sTGC detectors they provide trigger and tracking capability in the innermost station of the end-cap part of the Muon spectrometer.

The Micromegas detector of ATLAS cover an active area of about 1280 m^2 , has 1024 HV channels and 2.1 M readout channels, representing the largest Micro-Pattern Gaseous Detector system ever built.

The two NSW have been installed in ATLAS in time for the start of Run3, went through a detailed commissioning phase during 2022 and are now contributing to the ATLAS data taking.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

ATLAS Muon system

Is the speaker for that presentation defined?

No

Details

On behalf of the ATLAS Muon system. Final speaker to be confirmed

Internet talk

Maybe

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Session Classification: High Energy Particle Physics

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