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Type: **Talk**

Searches for BSM physics using challenging and long-lived signatures with the ATLAS detector

Thursday 8 September 2022 15:50 (20 minutes)

Various theories beyond the Standard Model predict new, long-lived particles with unique signatures which are difficult to reconstruct and for which estimating the background rates is also a challenge. Signatures from displaced and/or delayed decays anywhere from the inner detector to the muon spectrometer, as well as those of new particles with multiple values of the charge of the electron are all examples of experimentally demanding signatures. The talk will focus on the most recent results using 13 TeV pp collision data collected by the ATLAS detector.

Internet talk

Yes

Details

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Online talk

Is this abstract from experiment?

Yes

Name of experiment and experimental site

ATLAS

Is the speaker for that presentation defined?

Yes

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Session Classification: High Energy Particle Physics