



Contribution ID: 204

Type: **Talk**

ATLAS searches for supersymmetry with long-lived particles

Thursday, 2 September 2021 11:30 (30 minutes)

Various Supersymmetry (SUSY) scenarios, including split SUSY and anomaly or gravity-mediated SUSY-breaking scenarios, lead to signatures with long-lived particles. Searches for these processes may target either the long lived particle itself or its decay products at a significant distance from the collision point. These signatures provide interesting technical challenges due to their special reconstruction requirements as well as their unusual backgrounds. This talk will present recent results in long-lived SUSY searches using ATLAS Run 2 data.

Details

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Is the speaker for that presentation defined?

Yes

Is this abstract from experiment?

Yes

Name of experiment and experimental site

ATLAS

Internet talk

Maybe

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Session Classification: A High Energy Particle Physics