

# Searches for SUSY with long-lived particles in ATLAS

*Wednesday, July 29, 2020 7:45 PM (15 minutes)*

Various SUSY scenarios lead to signatures with long-lived particles, such that the decay of the new particle is 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.

## I read the instructions

## Secondary track (number)

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**Session Classification:** Beyond the Standard Model

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