# XIII International Conference on New Frontiers in Physics 2024



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# ATLAS searches for non-minimal and long-lived SUSY scenarios

Wednesday 28 August 2024 16:00 (20 minutes)

Supersymmetry (SUSY) provides elegant solutions to several problems in the Standard Model, and searches for SUSY particles are an important component of the LHC physics program. With increasing mass bounds on MSSM scenarios other non-minimal variations of supersymmetry become increasingly interesting. This talk will present the latest results of searches conducted by the ATLAS experiment targeting strong and electroweak production in R-parity-violating models, as well as non-minimal models.

#### **Details**

Risa Ushioda

#### Is the speaker for that presentation defined?

Yes

#### Internet talk

No

## Is this an abstract from experimental collaboration?

Yes

## Name of experiment and experimental site

ATLAS

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