

# Phenomenology 2021 Symposium



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## Searches for New Long-lived Particles with the ATLAS detector

*Monday 24 May 2021 14:30 (15 minutes)*

**Abstract:** Various models of physics Beyond the Standard Model 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 striking signatures provide interesting technical challenges due to their special reconstruction requirements as well as their unusual backgrounds. This talk will present recent results in searches for new, long-lived particles using ATLAS Run 2 data.

### Summary

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