

# Searches for BSM Physics at the LHC

*Friday, 18 June 2021 08:20 (40 minutes)*

The Large Hadron Collider (LHC) is the world's highest energy accelerator and LHC Run 2 provides a spectacular dataset to search for evidence of physics beyond the Standard Model (BSM). The energy allows for the production of high mass particles that could not be produced anywhere else while the large Run 2 dataset is exploring rare processes. Results from searches from the ATLAS, CMS, and LHC-b experiments will be presented including supersymmetry, dark matter, heavy neutral leptons, and long-lived particles. Results from tests of lepton universality will be included. The future of searches at the LHC will also be discussed.

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