

# Miami Physics Conference 2022

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Title: Searches for beyond-the-standard model physics at ATLAS

The search for beyond-the-standard model (BSM) physics is a primary focus of the research program at the Large Hadron Collider (LHC). This talk presents a variety of BSM searches with data collected by the ATLAS detector at the LHC. This includes searches for promptly-decaying supersymmetric particles, low mass resonances, dark photons, and leptoquarks. The experimental methods, results, and regions of excluded parameter space are presented.