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Searches for new phenomena in high-pT lepton final states with and without jets using the ATLAS detector

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Searches for physics beyond the Standard Model are performed in high-pT lepton final states, with or without jets, using the ATLAS experiment. These searches target a large range of beyond the Standard Model phenomenology ranging from new massive W' or Z' bosons, lepton flavour violation, extra dimensions, contact interactions, leptoquarks, excited leptons and strong gravity effects. The full 2015 LHC proton-proton dataset is combined with the data which has been collected so far during 2016, at $\sqrt{s} = 13$ TeV.

Summary

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