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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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