



## **Search for heavy bosons with dileptons in pp collisions at 13 TeV at ATLAS (15' + 5')**

*Friday 5 August 2016 17:20 (20 minutes)*

A search is conducted for both resonant, and non-resonant new phenomena in the dilepton final state, using the ATLAS experimental data. Resonance interpretations are given for a  $Z'$  or Graviton, while Contact Interactions are considered for the non-resonant interpretation, with the dilepton invariant mass used as the discrimination variable throughout. The full LHC 2015 proton-proton dataset is combined with the data which has been collected so far during 2016, at  $\sqrt{s} = 13$  TeV.

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**Session Classification:** Beyond the Standard Model

**Track Classification:** Beyond the Standard Model