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## **Search for heavy bosons and lepton flavour violation with dileptons with CMS (15' + 5')**

*Saturday 6 August 2016 17:07 (20 minutes)*

Numerous new physics models, e.g., theories with extra dimensions and various gauge-group extensions of the standard model, predict the existence of heavy resonances decaying to final states containing leptons. This talk presents searches for new physics in the dilepton, lepton+MET, and  $Z(\ell)\gamma$  final states at CMS, focusing on the recent results obtained using data collected during the 2015 run as well as the first part of the 2016 run.

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**Session Classification:** Beyond the Standard Model

**Track Classification:** Beyond the Standard Model