

## **Search for W Gamma Resonances in proton - proton collisions in 13TeV**

*Friday, 26 October 2018 17:05 (10 minutes)*

We present a model-independent search for beyond-standard-model heavy resonances decaying into a W boson and a photon. Possible models include charged Higgs,  $W'$ , and supersymmetric mesons in folded-SUSY. The lepton channel is used as it has lower background and higher sensitivity to still uninvestigated resonance mass ranges. We aim to set cross-section limits through detailed data analysis of CMS 2016-17 run 2 data.

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**Session Classification:** Young Physicists' Lightning Round Session 4