



LHC Seminar

SPEAKER: Arely Cortes Gonzalez
TITLE: **Recent Searches for New Resonances and Contact Interactions with ATLAS**
DATE: 25 April 2017
PLACE: 500-1-001 - Main Auditorium

ABSTRACT

Many theories beyond the Standard Model predict new phenomena accessible at the LHC. These new effects may manifest themselves through the observation of new resonances decaying into vector bosons or fermions, or through modifications to angular and mass distributions arising from new contact interaction scales. Results of recent data analyses by the ATLAS Collaboration will be presented. These studies are based on the full proton-proton collision dataset collected by the ATLAS detector at the LHC at a centre-of-mass energy of 13 TeV in 2015 and 2016.