



Contribution ID: 104

Type: **Oral presentation**

Search for resonant diboson production at the LHC

Thursday 1 May 2014 09:20 (30 minutes)

The study of electroweak boson pair production is a powerful test of the spontaneously broken gauge symmetry of the Standard Model (SM) and can be used to search for phenomena beyond the SM. Heavy particles decaying to gauge boson pairs are predicted by many scenarios of new physics, including Extra Dimensions, and Technicolor models. We present generic searches for a heavy particle decaying to a pair of boson. The talk presents results from searches done in several gauge bosons decay channels collected by the ATLAS and CMS experiments at the LHC with $\sqrt{s} = 8$ TeV.

Primary author: BARONCELLI, Toni (Roma Tre Universita Degli Studi (IT))

Presenter: MOZER, Matthias Ulrich (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: WG3: Electroweak Physics and Beyond the Standard Model

Track Classification: WG3: Electroweak Physics and Beyond the Standard Model