Contribution ID: **115** Type: **parallel talk**

Multijet searches for new physics at CMS

Monday 6 May 2013 16:45 (15 minutes)

The latest searches for new physics in jet final states are presented using data collected by the CMS experiment at the LHC. Searches for diet resonances are predicted by various models such as string resonance, excited quarks, and heavy vector bosons. The dijet data are also used to search for massive resonances decaying into vector bosons and high-mass b-jet pairs. Analyses of multijet final states probe new physics models such as gluinos and colorons. Finally, the most restrictive model-independent limits are set on black hole production at hadron colliders using high-multiplicity jet data.

Author: BOSE, Suvadeep (University of Nebraska Lincoln)

Presenter: BOSE, Suvadeep (University of Nebraska Lincoln)

Session Classification: BSM

Track Classification: other (please comment below)