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Exotics (non-SUSY) physics searches at the LHC¹

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The considerable center-of-mass energy and luminosity provided by the Large Hadron Collider (LHC) ensures a discovery reach for new particles which extends well into the multi-TeV region. ATLAS and CMS Collaborations at LHC have carried out a wide range of searches for new phenomena with many different final states. In this talk, I report on recent Exotics(non-SUSY) physics searches with 8 TeV data from ATLAS and CMS Collaborations. Among the topics covered are heavy resonances decaying into pairs of jets, leptons, lepton and jets, as well as dibosons. Dark matter searches were carried out in events with large missing transverse missing momentum and a single jet, photon or W/Z boson. Many of the above final states have also been interpreted in the context of models with large or warped extra dimensions.

¹Results from ATLAS & CMS Collaborations at LHC, CERN