

Early new physics searches with leptons at LHC

Friday 17 July 2009 09:20 (20 minutes)

Several models predict the existence of new particles leading to final states with high p_T leptons. New heavy resonances may decay to dilepton or lepton with missing ET. Leptoquarks and Left-Right symmetric models lead to final states with leptons and jets. Models with substructure predict excited states of quarks and leptons leading to final states with lepton plus photon. The prospect for early discoveries, with integrated luminosity of about 100 pb^{-1} , using ATLAS and CMS detectors, are discussed.

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Session Classification: III. Higgs and New Physics

Track Classification: Higgs and New Physics