Contribution ID: **761** Type: **Poster Presentation**

Search for Excited Leptons in pp collisions at sqrt(s) = 7 TeV

In this poster, a search for compositeness in electrons and muons carried out with the CMS detector in pp collision at the LHC at sqrt{s}=7 TeV with 5.0 fb-1 of data, is presented. The search has been performed for an associated production of a lepton and an oppositely charged excited lepton pp->ll*followed by the decay l*->l+gamma resulting in the ll+gamma final state, where l=e,mu. This search has been done assuming that excited leptons (l*) are produced via contact interactions. The number of events observed in data is consistent with the expected standard model background. The 95% confidence upper limits are reported for l* production at this collision energy and the exclusion region in the Lambda-Mass(l*) parameter space.

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Track Classification: Higgs and New Physics