



Contribution ID: 69

Type: **not specified**

Searches for dark matter candidates with the CMS experiment at the LHC

Wednesday, 25 May 2011 17:05 (20 minutes)

A number of searches for signals of physics beyond the Standard Model have been performed with the data acquired by the CMS experiment in 2010 and at the beginning of 2011 in p-p collisions at 7 TeV center-of-mass energy. The predictions of many models of new physics that provide candidates for dark matter have been tested against experimental observations.

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Session Classification: Parallel session 2: Dark Matter Search