



**HEP 2013  
Stockholm  
18-24 July 2013**



Contribution ID: 335

Type: **Talk presentation**

## **Potential of LHC to determine the Dark Matter properties in IDM**

*Thursday, 18 July 2013 12:00 (15 minutes)*

We consider a scalar Dark Matter candidate from the Inert Doublet Model in the light of the discovery of the 125 GeV SM-like Higgs boson at LHC.

Using the relic density constraints we explore potential of LHC to determine the properties of the Dark Matter particles independently on the direct and indirect DM detection experiments.

Talk based on arXiv:1303.7102, 1212.4100, 1209.5725 and new ongoing analysis.

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**Session Classification:** Astroparticle Physics

**Track Classification:** Astroparticle Physics