

Session Program

18-22 Jul 2022



IDM 2022

Parallel 3D - Dark sector

Thursday 21 July

14:00

Parallel 3D - Dark sector

Session | Location: E110 | Convener: Lesya Shchutska

14:00-14:20 **Searches for dark matter with the ATLAS detector**

Speakers

Rute Costa Batalha Pedro, Rute Costa Batalha Pedro

14:20-14:40

Searches for exotic decays of the Higgs boson as a window to the dark sector with the ATLAS detector

Speaker

Victoria Sanchez Sebastian

14:40-15:00

Search for Dark Matter with mono-X Signatures in CMS

Speaker

Reham Aly

15:00-15:20

The MoEDAL-MAPP Experiment at the LHC - Searching for Exotic Dark Matter at the LHC

Speaker

James Pinfold

15:20-15:30

Boosting DM searches at the LHC with deep learning

Speaker

Thorben Finke

15:30

16:10

Parallel 3D - Dark sector

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16:10-16:30

Phenomenology of the Dark Matter sector in the Two Higgs Doublet Model with Complex Scalar Singlet extension

Speaker

Prof. Gudrid Moortgat-Pick

16:30-16:50

Recent dark sector results from Belle II

Speaker

Giacomo De Pietro

16:50-17:10

Oblique Lessons from the W Mass Measurement at CDFII

Speaker

Cari Cesarotti

17:10-17:30

SND@LHC experiment at CERN

Speaker

Giovanni De Lellis

17:30-17:50

Dark sector studies with the PADME experiment

Speaker

Elizabeth Sarah Long

17:50