

Session Program

13-17 May 2024



Roadmap of Dark Matter models for Run 3 ***Unexplored signatures & wildcard ideas***

CERN, 40/S2-D01 - Salle Dirac

Tuesday 14 May

09:00

Unexplored signatures & wildcard ideas

Session | **Location:** CERN, 40/S2-D01 - Salle Dirac | **Conveners:**
Alexander Grohsjean, Monika Blanke, Giuliano Gustavino

09:00–09:30

A smoking gun signature of the 3HDM [20+10]

Speaker

Dr Atri Dey

09:30–10:00

Fermionic Portal to Vector Dark Matter [20+10]

Speaker

Prof. Alexander Belyaev

10:00–10:30

Inelastic Dark Matter at the LHC Lifetime Frontier [20+10]

Speaker

Max Fieg

10:30–11:00

Search for Dark Matter with Anomaly Detection Techniques [20+10]

Speaker

Thea Aarrestad

11:00–11:30

Coffee Break

11:30–11:45

Production of Kaluza-Klein States at LHC and Implication for Dark Matter [12+3]

Speaker

Jnanadeva Maharana

11:45–12:00

Search for Anti Quark Nuggets via their interaction with the LHC beam: A reanalysis of stored data from the 4000 LHC monitors [12+3]

Speaker

Konstantin Zioutas

12:00–12:15

The Triggerless Search for Exotic DM at Run-3 with the MoEDAL-MAPP Experiment [12+3]

Speaker

James Pinfold

12:15–12:30

Wrap-up and Discussion

Speaker

Spyros Argyropoulos

12:30