

## **Session Program**

**13-17 May 2024**



# **Roadmap of Dark Matter models for Run 3** ***s-channel mediators and Higgs to invisible***

CERN, 40/S2-D01 - Salle Dirac

## Tuesday 14 May

14:00

### s-channel mediators and Higgs to invisible

**Session** | **Location:** CERN, 40/S2-D01 - Salle Dirac | **Conveners:**  
Katherine Pachal, Philip Coleman Harris, Patrick James Fox

14:00–14:20

#### ATLAS Higgs to invisible plans and summary

**Speaker**

Diallo Boye

14:30–14:50

#### CMS Higgs to invisible plans and summary

**Speaker**

Andrea Malara

15:00–15:20

#### ATLAS & CMS legacy s-channel results

**Speaker**

Matteo Bauce

15:30–15:50

#### New experimental directions for s-channel

**Speaker**

David Yu

16:00–16:30

#### Coffee break

16:30–16:50

#### EFT theory for Higgs to invisible

**Speaker**

Prof. Pyungwon Ko

17:00–17:15

#### Beyond the Dark matter effective field theory and a simplified model approach at colliders

**Speaker**

Prof. Myeonghun Park

17:25–17:40

#### Is the light neutralino thermal dark matter in the pMSSM ruled out?

**Speaker**

Rhitaja Sengupta

17:50–18:05

#### Darkonia at Colliders

**Speaker**

Yang Bai

18:05