

Session Program

14-16 Nov 2022

**Dark Interactions: new perspectives for
theory and experiment**

Session I

Online

Monday 14 November

12:20

Session I

Session | **Location:** Online | **Convener:** Diallo Boye

12:20–12:50 **Cosmic Probes of the Dark Sector**

Speaker

Dr Chanda Prescod-Weinstein

12:50–13:20 **Gravitational wave radiation as a probe of dark sectors**

Speaker

Andrew Long

13:20–13:35
Motivations for a Large Self-Interacting Dark Matter Cross Section from Milky Way Satellites

Speaker

Maya Silverman

13:35

Tuesday 15 November

12:20

Session I

Session | **Location:** Online | **Convener:** Hooman Davoudiasl

12:20–12:50

Recent Advances in Machine Learning for High Energy Physics

Speaker

Javier Mauricio Duarte

12:50–13:05

CURTAINS for your sliding window

Speaker

Debajyoti Sengupta

13:05–13:20

Search for invisible Higgs bosons with interpretation for dark matter at the LHC using the ATLAS detector

Speaker

Mohamed Zaazoua

13:20–13:35

Search for new spin-1 boson using ATLAS detector data

Speaker

Xola Mapekula

13:35