

Session Program

Jan 10 - 14, 2022



30th International Symposium on Lepton Photon Interactions at High Energies

Dark Matter

Online only

Mon, January 10

4:15 PM

Dark Matter: Poster session

Session | Location: Online only

16:15 - 16:16

Modification of Neutrino Floor: Case of $U(1)_{L_{\mu}-L_{\tau}}$ Model

Speaker

Soumya Sadhukhan

16:16 - 16:17

BSM physics explanations of a_{μ} in light of the FNAL muon $g-2$ measurement

Speaker

Douglas Jacob

16:17 - 16:18

Unravelling the Mystery of Dark Matter with Black Holes

Speaker

Mr Anupam Ray

16:18 - 16:19

ALP-portal heavy neutrino dark matter

Speaker

Mr Shivam Gola

16:19 - 16:20

A Deep Learning Search of Dark Tridents at the MicroBooNE Experiment

Speaker

Mr Luis Mora

5:15 PM

Tue, January 11

4:30 PM

Dark Matter: Parallel 1

Session | **Location:** Online only | **Convener:** Darren Price

16:30 - 16:50 **LZ status and simulations**

Speaker

Theresa Fruth

16:50 - 17:10

Directionality for nuclear recoils in a liquid argon Time Projection Chamber

Speakers

Dr Luciano Pandola, Luciano Pandola

17:10 - 17:30 **DarkSide-20k and the Future Liquid Argon Dark Matter Program**

Speaker

Gemma Testera

17:30 - 17:50 **Probing new physics at the LUXE experiment**

Speaker

Teng Ma

17:50 - 18:10 **Status of the DEAP-3600 experiment**

Speaker

Dr Susnata Seth

6:10 PM

Wed, January 12

11:20 AM

Dark Matter: Parallel 2

Session | **Location:** Online only | **Convener:** Teresa Marrodán Undagoitia

11:20 - 11:40 **Dark-sector physics at Belle II**

Speaker
Huw Haigh

11:40 - 12:00 **Searches for dark matter with the ATLAS detector**

Speaker
Danijela Bogavac

12:00 - 12:20 **FASER Status and Physics Prospects**

Speaker
Ondrej Theiner

12:20 - 12:40 **The Light Dark Matter eXperiment, LDMX**

Speaker
Sophie Middleton

12:40 - 13:00 **Dark matter studies with the PADME experiment**

Speaker
Gabriele Chiodini

1:00 PM

Thu, January 13

11:00 AM

Dark Matter: 1

Session | **Location:** Online only | **Convener:** Andrzej Michal Szalc

11:00 - 11:30 **Axion and ALP searches**

Speaker
Yannis Semertzidis

11:30 AM

5:00 PM

Dark Matter: 2

Session | **Location:** Online only | **Convener:** Ben Kilminster

17:00 - 17:30 **Dark matter direct detection experiments**

Speaker
Teresa Marrodán Undagoitia

17:30 - 18:00 **Dark matter collider searches**

Speaker
Federico Meloni

18:00 - 18:30 **Dark matter astrophysics**

Speaker
Kerstin Perez

6:30 PM