

Session Program

10-14 Jan 2022



30th International Symposium on Lepton Photon Interactions at High Energies

Dark Matter

Online only

Monday 10 January

16:15

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

17:15

Tuesday 11 January

16:30

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

18:10

Wednesday 12 January

11:20

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

13:00

Thursday 13 January

11:00

Dark Matter: 1

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

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

Speaker

Yannis Semertzidis

11:30

17:00

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

18:30