



# 30th International Symposium on Lepton Photon Interactions at High Energies

## Monday 10 January 2022

### Dark Matter: Poster session (16:15 - 17:15)

time	[id] title	presenter
16:15	[66] Modification of Neutrino Floor: Case of $U(1)_{L_{\mu}-L_{\tau}}$ Model	SADHUKHAN, Soumya
16:16	[158] BSM physics explanations of $a_{\mu}$ in light of the FNAL muon $g-2$ measurement	JACOB, Douglas
16:17	[161] Unravelling the Mystery of Dark Matter with Black Holes	Mr RAY, Anupam
16:18	[169] ALP-portal heavy neutrino dark matter	Mr GOLLA, Shivam
16:19	[188] A Deep Learning Search of Dark Tridents at the MicroBooNE Experiment	Mr MORA, Luis

# Tuesday 11 January 2022

## Dark Matter: Parallel 1 (16:30 - 18:10)

-Conveners: Darren Price

time	[id] title	presenter
16:30	[42] LZ status and simulations	FRUTH, Theresa
16:50	[6] Directionality for nuclear recoils in a liquid argon Time Projection Chamber	Dr PANDOLA, Luciano PANDOLA, Luciano
17:10	[126] DarkSide-20k and the Future Liquid Argon Dark Matter Program	TESTERA, Gemma
17:30	[259] Probing new physics at the LUXE experiment	MA, Teng
17:50	[153] Status of the DEAP-3600 experiment	Dr SETH, Susnata

# Wednesday 12 January 2022

## Dark Matter: Parallel 2 (11:20 - 13:00)

-Conveners: Teresa Marrodán Undagoitia

time	[id] title	presenter
11:20	[43] Dark-sector physics at Belle II	HAIGH, Huw
11:40	[121] Searches for dark matter with the ATLAS detector	BOGAVAC, Danijela
12:00	[2] FASER Status and Physics Prospects	THEINER, Ondrej
12:20	[65] The Light Dark Matter eXperiment, LDMX	MIDDLETON, Sophie
12:40	[15] Dark matter studies with the PADME experiment	CHIODINI, Gabriele

# Thursday 13 January 2022

## **Dark Matter: 1 (11:00 - 11:30)**

-Conveners: Andrzej Michal Szelc

time	[id] title	presenter
11:00	[294] Axion and ALP searches	SEMERTZIDIS, Yannis

## **Dark Matter: 2 (17:00 - 18:30)**

-Conveners: Ben Kilminster

time	[id] title	presenter
17:00	[302] Dark matter direct detection experiments	MARRODÁN UNDAGOITIA, Teresa
17:30	[303] Dark matter collider searches	MELONI, Federico
18:00	[304] Dark matter astrophysics	PEREZ, Kerstin