

27th International Symposium on Particles, Strings and Cosmology

Monday 25 July 2022

Parallel Session A: Dark Matter - Main Lecture Hall (14:00 - 15:30)

-Conveners: Michael Schmidt

time	[id] title	presenter
14:00	[157] Composite Dark Matter and Neutrino Masses from a Light Hidden Sector	NAJJARI, Saereh
14:18	[160] Minimal realization of light thermal Dark Matter	HERMS, Johannes
14:36	[37] Features of Multipartite Dark Matter models	BHATTACHARYA, Subhaditya
14:54	[61] Multi-component dark sectors: the role of asymmetries and conversions	VATSYAYAN, Drona
15:12	[97] Z3 Scalar Dark Matter with Strong Gamma-Ray and Positron Fluxes	DIAZ, Bastian

Parallel Session A: Neutrino Physics - Main Lecture Hall (16:00 - 17:50)

-Conveners: Sudip Jana

time	[id] title	presenter
16:00	[152] Probing the ν_{R} -philic Z' at DUNE near detector	CHAUHAN, Garv
16:18	[55] Exploring non standard interactions sensitivities for T2HK and DUNE	GIRI, Anjan
16:36	[66] Resolving the NOvA and T2K tension in the presence of Neutrino Non-Standard Interactions	CHATTERJEE, Sabya Sachi
16:54	[161] New physics potential of future tau neutrino telescopes	HUANG, Guoyuan

Tuesday 26 July 2022

Parallel Session A: Dark Matter - Main Lecture Hall (11:00 - 12:30)

-Conveners: Felix Kling

time	[id] title	presenter
11:00	[123] The role of fluctuations in the cosmological relaxation of the weak scale	CHATRCHYAN, Aleksandr
11:18	[35] On the Detection of QCD Axion Dark Matter by Coherent Scattering	SHIRAI, Satoshi
11:36	[25] Dark sector results from Belle II	FEICHTINGER, Paul
11:54	[140] Current Status and Future Prospects of the DMRadio Resonant Lumped Element Axion Searches	LEDER, Alexander Friedrich

Parallel Session A: Dark Matter - Main Lecture Hall (14:00 - 15:30)

-Conveners: Aqeel Ahmed

time	[id] title	presenter
14:00	[42] Freeze-in and freeze-out of sterile neutrino dark matter	SCHMIDT, Michael
14:18	[91] Roads to Right-handed neutrino Dark Matter	ARCADI, Giorgio
14:36	[20] Neutrino non-standard self-interactions and their impact on sterile neutrino dark matter	BENSO, Cristina
14:54	[164] Reviving the keV neutrino: a novel production mechanism for sterile neutrino dark matter	JARAMILLO, Carlos

Parallel Session A: Dark Matter - Main Lecture Hall (16:00 - 17:30)

-Conveners: Asher Berlin

time	[id] title	presenter
16:00	[93] Einstein-Cartan Portal to Dark Matter	TIMIRYASOV, Inar
16:18	[31] Revisiting the Galactic Center Excess in Gamma-rays with Multi-Messenger Observations	Dr CHOLIS, Ilias
16:36	[70] Superradiant Production of Heavy Dark Matter from Primordial Black Holes	Mr XU, Yong
16:54	[21] Testing the mean field description of scalar field dark matter	EBERHARDT, Andrew

Wednesday 27 July 2022

Parallel Session A: Neutrino Physics - Main Lecture Hall (11:00 - 12:50)

-Conveners: Amir Khan

time	[id] title	presenter
11:00	[104] Novel constraints on neutrino physics beyond the standard model from the CONUS experiment	RINK, Thomas
11:18	[135] Status of the NUCLEUS experiment	Dr WAGNER, Victoria
11:36	[57] Probing non-standard neutrino interactions from future supernova neutrino observations	AKITA, Kensuke
11:54	[151] Microscopic and Macroscopic Effects in the Decoherence of Neutrino Oscillations	CHENG, Ting
12:12	[27] Exploiting a future galactic supernova to probe neutrino magnetic moments	PORTO SILVA, Yago P
12:30	[43] Collective Effects in Supernova Neutrinos	DEDIN NETO, Pedro

Thursday 28 July 2022

Parallel Session A: Dark Matter - Main Lecture Hall (11:00 - 12:30)

-Conveners: **Giorgio Arcadi**

time	[id] title	presenter
11:00	[89] Warm dark matter from a gravitational freeze-in in extra-dimensions	VOGL, Stefan
11:18	[96] t-channel singularity in dark matter considerations: the problem and its solution	IGLICKI, Michał
11:36	[48] Impact of bound states on non-thermal dark matter production	BOLLIG, Julian
11:54	[87] A new software to compute MSSM squared amplitudes for particle physics and relic density calculations	PALMIOTTO, Marco
12:12	[108] Effects of the modification of gravity on the production of primordial black holes	ROMANO, Antonio Enea