

PHOENIX-2023

Tuesday, 19 December 2023

Parallel: DM + neutrino: Day 2 Afternoon Session 1 - Convention Center CC2 (14:30 - 16:00)

-Conveners: Arindam Chatterjee

time	[id] title	presenter
14:30	[2] Coannihilation and scotogenic fermionic dark matter	KARAN, Anirban
14:50	[61] Quantum Spread Complexity in Neutrino Oscillations	Dr DIXIT, Khushboo
15:10	[9] Multi-Component Dark Matter: Identifying at Collider	Dr GHOSH, Purusottam
15:30	[17] Constraining New Physics with Possible DM Signatures from the Study of Low Energy Processes	Ms KOLAY, Lipika
15:45	[39] Light Dirac neutrino portal dark matter with gauged B-L symmetry	DAS, Nayan

Parallel: DM + neutrino: Day 2 Afternoon Session 2 - Convention Center CC2 (16:30 - 18:00)

-Conveners: S Mitra

time	[id] title	presenter
16:30	[24] Phenomenology of an asymmetric Scotogenic model	JOBU, Noel
16:45	[3] Exploring Sub-GeV Dark Matter Boosted by Diffuse Supernova Neutrino Background: Insights from XENONnT and LUX-ZEPLIN Experiments	Mr MAJUMDAR, Anirban
17:00	[13] Majorons Revisited: light dark matter as FIMP	MANNA, Soumen Kumar
17:15	[7] Phenomenology of Dirac Scotogenic Model	Mr YADAV, Sushant
17:30	[10] The dynamics and detection possibility of a pseudo-FIMP dark matter	Mr PRADHAN, Dipankar
17:45	[85] Classically Conformal U(1) (B-L) model: Lessons from the Collider and Cosmology	NIYOGI, Saurabh

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-Conveners: Sukanta Dutta

time	[id] title	presenter
14:30	[34] Self-interacting dark matter and the GRB221009A event	SINGH THOUNAOJAM, Vicky
14:45	[35] Singlet-doublet fermion dark matter with Dirac neutrino mass, $(g - 2)\mu$ and ΔN_{eff}	KUMAR SAHOO, Sujit
15:00	[18] Constraining an extra dimensional U(1) $L_{\mu} - L_{\tau}$ model through electron-neutrino elastic scattering	Mr CHAKRABORTY, Dibyendu
15:15	[25] Realizing Electroweak Baryogenesis in connection to dark sector	BHANDARI, Dipendu
15:30	[55] Thermal correction to Dark matter annihilation processes at NLO	Mr BUTOLA, Prabhat
15:45	[37] Radiative Corrections to the Direct Detection of the Higgsino-like Neutralino Dark Matter: Spin-Independent Interactions	PASHA, Syed Adil

Parallel: DM + neutrino: Day 3 Afternoon Session 2 - Convention Center CC2 (16:30 - 17:30)

-Conveners: Mamta Dahiya

time	[id] title	presenter
16:30	[8] Neutrino Mass Sum Rules from Modular \mathcal{A}_4 Symmetry	Mr KUMAR, Ranjeet
16:45	[28] Viability of Boosted Light Dark Matter in a Two-component Scenario	BASU, Arindam
17:00	[36] Probing Dark Matter-Electron Interactions in the Cosmic Microwave Background Radiation	DHYANI, Rahul
17:15	[26] Exploring Axions through the Photon Ring of a Spherically Symmetric Black Hole	SARKAR, Pratick