

PPC 2024: XVII International Conference on Interconnections between Particle Physics and Cosmology

Tuesday 15 October 2024

Parallel - Dark Matter: Session 1 - Seminar Room 2, Convention Center (14:00 - 16:00)

-Conveners: Bhawna Gomber

time	[id] title	presenter
14:00	[87] Complementary probe of two-component Dark Matter and Gravitational waves in a scalar Singlet-Triplet extended model with a Dirac Fermion	Mr BORAH, Pankaj
14:15	[105] The Dark Hyper-Charge Symmetry	PRAJAPATI, HEMANT KUMAR
14:30	[111] Search for dark matter with the monophoton final state using full Run2 data at CMS	Mr ACHARYA, Shriniketan
14:45	[121] From Bar Formation to Dark Matter Detection: Implications of Inner Halo Spin Distribution	KATARIA, Sandeep Kumar
15:00	[171] Exploring DSNB boosted sub-GeV dark matter: insights from XENONnT and LZ experiments	Mr MAJUMDAR, Anirban
15:15	[145] Thermal correction to dark matter annihilation processes through real photon emission and absorption	BUTOLA, Prabhat
15:30	[54] Hunting Primordial Black Hole Dark Matter in Lyman-alpha forest	SINGH, Abhijeet
15:45	[42] Search for dark matter decay and annihilation using observation by Tibet AS $_{\gamma}$ and LHAASO	Mr DUBEY, Abhishek

Wednesday 16 October 2024

Parallel - Dark Matter: Session 2 - Seminar Room 2, Convention Center (14:00 - 16:00)

-Conveners: Suchita Kulkarni

time	[id] title	presenter
14:00	[216] Vector Dark Matter with Higgs Portal in Type II Seesaw framework	DAS, Nandini
14:15	[212] Neutrino floor in the light dark matter sector with isospin violating interactions	PRAMANIK, Shankar
14:30	[37] Breaking into the window of primordial black hole dark matter with x-ray microlensing	Mr TAMTA, Manish
14:45	[22] Neutrinos from the Sun can discover dark matter-electron scattering	KUMAR SAHA, Akash
15:00	[162] Dark matter phenomenology in presence of vector like quarks	DEY, Shyamashish
15:15	[18] Faint light of old neutron stars and detectability at the James Webb Space Telescope and exploring the analytics of multiple scattering of dark matter.	KANODIA, Brijesh
15:30	[65] Emergence of dark symmetry as well as neutrino mass scales from $SU(4)$ flavor symmetry	KUMAR, Ranjeet
15:45	[61] Viability of Boosted Light Dark Matter in a Two-Component Scenario	BASU, Arindam

Parallel - Dark Matter: Session 3 - Seminar Room 2, Convention Center (17:30 - 19:00)

-Conveners: Ranjan Laha

time	[id] title	presenter
17:30	[176] Comprehensive Phenomenology of the Dirac Scotogenic Model	2020504, Sushant Yadav
17:45	[148] Neutrino masses and mixing from milli-charged dark matter	PADMANABHAN KOVILAKAM, Vishnu
18:00	[229] WIMPY Leptogenesis in Non-Standard Cosmologies	MAHANTA, Dr. Devabrat
18:15	[244] Dark-Matter Mass from Angular Dependence	Prof. PARK, Jong-Chul
18:30	[231] A New Window into Multi-component Dark Matter	DUTTA BANIK, Amit
18:45	[59] The dynamics and detection possibility of a pseudo FIMP in presence of a thermal Dark Matter	Mr PRADHAN, Dipankar