



# Dark Sectors of Astroparticle Physics (AstroDark-2021): Axions, Neutrinos, Black Holes and Gravitational Waves

## Tuesday 07 December 2021

### Break and Poster Session (08:20-08:50)

time	[id] title	presenter
08:20	[89] A Last Chance for Kinetic Mixing: Explaining $(g-2)_{\mu}$ with Semi-visible Dark Photons	MASSARO, Daniele
08:20	[90] Cosmological Black Holes	PICKER, Zachary
08:20	[91] Quasi-local Photon Surfaces in General Spherically Symmetric Spacetimes	SONG, Yong
08:20	[92] A Cosmologically Consistent Millicharged Dark Matter Solution to the EDGES Anomaly	ABOUBRAHIM, Amin
08:20	[95] Inflationary Cosmology - A New Approach Using Non-linear Electrodynamics	DAS , Prasanta Kumar
08:20	[96] Dark Matter Decay to Neutrinos	DELGADO, Diyaselis
08:20	[97] Accurately Measuring Neutrinos, Massive Light Relics and Axions Using Cosmological Observables	DEPORZIO, Nicholas
08:20	[101] Reshuffled SIMP dark matter	HO, Shu-Yu
08:20	[102] Search for Decaying Dark Matter in Galaxy Clusters and Galaxies with IceCube	JEONG, Minjin
08:20	[103] Long Baseline Oscillation Probability Approximation in a Model for Light Sterile Neutrinos.	JIN, Miaochen
08:20	[107] Probing Extended Gravity with Neutrinos	LUCIANO, Gaetano
08:20	[109] From Axions to ALPs in the Post-inflationary Scenario	PIEROBON, Giovanni
08:20	[111] Axiogenesis From $SU(2)_R$ Phase Transition	WANG, Ruoquan
08:20	[112] Cosmologically Consistent Self-interacting Dark Matter and Small-scale Galaxy Anomalies	WANG, Zhu-Yao
08:20	[113] Primordial Black Holes from Confinement	ZANTEDESCHI, Michael
08:20	[114] Neutrinos From Captured Dark Matter Annihilation in a Galactic Population of Neutron Stars	BOSE, Debajit
08:20	[116] When Heavy Neutral Leptons Meet a Dark Sector	FOPPIANI, Nicolo
08:20	[117] Dark Sector Freeze-out due to a Non-Boltzmann Suppression	GANGULY, Sougata
08:20	[118] Asymmetric Dark Matter from Scattering	GHOSH, Deep
08:20	[119] Multi-messenger Lifetime Constraints on Heavy Decaying Dark Matter	HAJJAR, Rasmi
08:20	[120] Constraining Axion-like Particles Using the White Dwarf Initial-final Mass Relation	HISKENS, Frederick
08:20	[122] Holographic $\beta$ function in de Sitter space	KITAZAWA, Yoshihisa
08:20	[123] $SO(N)$ Model as Pion-like SIDM From Effective Range Theory	KONDO, Dan
08:20	[124] Leptophilic Dark Matter at International Linear Collider	KUNDU, Saumyen

08:20	[125] Dark Matter Scattering in Gravitational Wave Detectors	LEE, Chun-Hao
08:20	[126] Neutrino Masses and Leptogenesis in a $Le-L\mu-L\tau$ Model	MARCIANO, Simone
08:20	[127] Fermion-induced Electroweak Symmetry Non-restoration via Temperature-dependent Masses	NG, Yu Hang
08:20	[128] An Equation of State for Magnetized Neutron Star Matter and Tidal Deformation in Neutron Star Mergers	PATRA, Naresh Kumar
08:20	[129] Constraining the Absolute Neutrino Mass via Time-of-flight Measurements of the Supernovae Electron Neutrinos with DUNE	POMPA, Federica
08:20	[130] Exploring the Cosmological Dark Matter Coincidence with Infrared Fixed Points	RITTER, Alexander
08:20	[131] Mixed Scalar Dark Matter and Dirac Neutrino Masses in an Extended B-L Model	SAHOO, Nirakar
08:20	[134] Non-adiabatic Evolution of Dark Sector in the Presence of $U(1)_{L-\mu-L-\tau}$ Gauge Symmetry	TAPADAR, Ananya
08:20	[138] Indirect Detection of Long-lived Particles via a Less-simplified Dark Higgs Portal	JODLOWSKI, Krzysztof
08:20	[141] A New Bound on Primordial Black Hole Abundance Using Interaction with Dust Tori in Active Galactic Nuclei	YANAGISAWA, Kaoru
08:20	[142] Freeze-in Dark Matter Through Forbidden Channel in $U(1)_{B-L}$	SHOW, Sudipta