

Brookhaven Forum 2023 Advancing Searches for New Physics (BF2023)

Wednesday, 4 October 2023

Neutrino: 1 (13:00 - 14:40)

-Conveners: Daniel Dwyer

time	[id] title	presenter
13:00	[33] Core-collapse supernovae - ideal environments to probe new physics	SULIGA, Anna
13:40	[34] A Survey of Neutrino Flavor Models and the Neutrinoless Double Beta Decay Funnel	GEHRLEIN, Julia
14:00	[72] Physics of Kr-83m by Cyclotron Radiation Emission Spectroscopy	SUN, Yuhao
14:20	[32] Constraining Neutrino Self-Interactions with IceCube Point Source Data	HYDE, Jeff

Neutrino: 2 (15:00 - 16:40)

-Conveners: Bill Morse

time	[id] title	presenter
15:00	[135] Connecting $(g - 2)$ to neutrino mass in the extended neutrinophilic 2HDM	CHERCHIGLIA, Adriano
15:20	[30] Constraining Non-Unitary Neutrino Mixing using Earth's Matter Effect in Atmospheric Neutrino Oscillations	SAHOO, Sadashiv
15:40	[43] Validating Earth's Matter Effect in Atmospheric Neutrino Oscillations at IceCube-DeepCore	UPADHYAY, Anuj Kumar
16:00	[44] Establishing Layered Structure Inside Earth Using Atmospheric Neutrino Oscillations at IceCube-DeepCore	J, Krishnamoorthi
16:20	[45] Measuring the Mass of Earth and Core Using Neutrino Oscillations at IceCube-DeepCore	CHATTOPADHYAY, Sharmistha

Thursday, 5 October 2023

Neutrino: 3 (14:00 - 15:40)

-Conveners: Matthew Sullivan

time	[id] title	presenter
14:00	[29] KM3NeT Status and Physics Results	DRAKOPOULOU, Evangelia
14:20	[27] Measurement of the atmospheric muon neutrino flux with KM3NeT/ORCA6	STAVROPOULOS, Dimitris
14:40	[31] Sterile Neutrino Global Fits: 3+1 and Beyond?	HARDIN, John
15:00	[67] An Updated eV-scale Sterile Neutrino Search with IceCube	WEIGEL, Philip
15:20	[28] The IsoDAR Experiment	VILLARREAL, Joshua