



# XIX International Workshop on Neutrino Telescopes

## Friday, 19 February 2021

### Non Standard Interactions: (Room 3) - Room 3 (10:00 - 11:20)

-Conveners: Giuseppina Salente; Francesco D'Eramo

time	[id] title	presenter
10:00	[4] Possible indication of non-standard neutrino interactions from NOvA and T2K	Prof. PALAZZO, Antonio
10:20	[62] Sterile neutrinos properties in the inverse seesaw with Abelian flavour symmetries	JOAQUIM, Filipe
10:40	[82] New Physics in the Lepton sector from future Neutrino experiments	Prof. MELONI, Davide
11:00	[107] "HENeutrinos beyond Standard Model: steriles and secret interactions	SAVIANO, Ninetta

### Non Standard Interactions: (Room 3) - Room 3 (11:35 - 12:30)

-Conveners: Giuseppina Salente; Francesco D'Eramo

time	[id] title	presenter
11:35	[93] Enhanced violation of Leggett-Garg Inequality in three flavour neutrino oscillations via non-standard interactions	SHAFAQ, Sheeba
11:40	[23] Radiative decays of charged leptons as constraints of leptonic unitarity	ZHANG, Di
11:45	[106] Constraints on neutrino non-standard interactions: From neutrino oscillations to precision cosmology	DU, Yong
11:50	[113] A closer look at the pp-chain reaction in the Sun: Constraining the coupling of light mediators to protons	SULIGA, Anna M.
11:55	Discussion Time	
12:05	[110] Constraints on neutrino electromagnetic properties from COHERENT elastic neutrino-nucleus scattering	ZHANG, Yiyu
12:10	[115] Neutrino physics in extended theories of gravity	Dr PETRUZZIELLO, Luciano
12:15	[117] Constraints on light vector mediators through COHERENT data	PICCIAU, Emmanuele
12:20	Discussion Time ( <a href="https://mediaspace.unipd.it/media/XIX+International+Workshop+on+Neutrino+Telescopes+-+Parallel+Room+3/1_veep324y?st=1140">https://mediaspace.unipd.it/media/XIX+International+Workshop+on+Neutrino+Telescopes+-+Parallel+Room+3/1_veep324y?st=1140</a> )	

### Non Standard Interactions: (Room 3) - Room 3 (17:10 - 18:10)

-Conveners: Mauro Mezzetto; Francesco D'Eramo

time	[id] title	presenter
17:10	[15] Dark Matter through the Neutrino Portal	FU, Bowen
17:30	[18] Minimal scoto-seesaw mechanism for neutrino masses with spontaneous CP violation	BARREIROS, D.
17:50	[89] Exploring the leptonic CP-violation in the presence of a light sterile neutrino	Dr CHATTERJEE, Sabya Sachi

# Tuesday, 23 February 2021

## Non Standard Interactions: (Room 3) - Room 3 (10:00 - 11:20)

-Conveners: **Andrea Longhin; Mauro Mezzetto**

time	[id] title	presenter
10:00	[132] Neutrino mixing by modifying the Yukawa coupling structure of Constrained sequential Dominance	Mr GANGULY, Joy
10:20	[155] Leptogenesis from low energy CP violation in minimal left-right symmetric model	Dr ZHANG, Xinyi
10:40	[200] Explaining the ANITA events by a $L_e-L_\tau$ gauge model	FARZAN, Yasaman
11:00	[245] Importance of second oscillation maxima in probing invisible neutrino decay	CHAKRABORTY, Kaustav

## Non Standard Interactions: (Room 3) - Room 3 (11:35 - 12:35)

-Conveners: **Andrea Longhin; Mauro Mezzetto**

time	[id] title	presenter
11:35	[144] Improvements on perturbative oscillation formulas including non-standard neutrino interactions	Prof. GRATIERI, Diego
11:40	[167] Analytical solutions to renormalization-group equations of neutrino oscillation parameters in matter	Dr WANG, Xin
11:45	[178] Impact of non-unitary neutrino mixing on physics potential of long baseline experiments	C, SOUMYA
11:50	[204] Quantum Studies of Neutrinos	Mr JHA, Abhishek
11:55	Discussion Time	
12:05	[214] Evolution of Neutrino Mass-Mixing Parameters in Matter with Non-Standard Interactions	DAS, Sudipta
12:10	[215] A New Approach to Probe Non-Standard Interactions in Atmospheric Neutrino Experiments	Mr KUMAR, Anil
12:15	[264] A Dark Seesaw at Low Energy Experiments	ABDULLAHI, Asli
12:20	[290] Search for Non Standard Neutrino Interactions and other Lorentz Invariance Violation effects in neutrino physics	ANTONELLI, Vito
12:25	Discussion Time	