



# ICHEP 2020

## Tuesday, 28 July 2020

### Neutrino Physics: Session I - Premiere (15:30 - 21:15)

-Conveners: Thomas Schwetz; Ryan Patterson

time	[id] title	presenter
15:30	[251] Global fits to neutrino masses and mixings	Dr TÓRTOLA, Mariam
15:45	[535] Direct comparison of sterile neutrino constraints from cosmological data, electron neutrino disappearance data and muon neutrino to electron neutrino appearance data in a 3+1 model	EVANS, Justin
16:00	[1112] Neutrino oscillations, flavor theories and dark matter	VALLE, Jose
16:15	[41] Extraction of the optical potential for final state nucleons and $\Delta$ resonances for electron and neutrino scattering on nuclear targets	BODEK, Arie
16:30	[62] Constraints on nonstandard interactions and the neutron radius from coherent elastic neutrino-nucleus scattering experiments	PARADA VALENCIA, Alexander
16:45	[908] Neutrino Portals to Dark Matter	ROSAURO ALCARAZ, Salvador
17:00	[1059] Astrophysical Visible Neutrino Decay	Dr DENTON, Peter
17:15	Coffee break	
17:30	[339] Neutrino-Nucleus Interaction Physics with the Most Recent MINERvA Low-Energy Beam Data	Dr LU, Xianguo
17:45	[641] Review of MINERvA's Medium Energy Neutrino Physics Program	SCHELLMAN, Heidi Marie
18:00	[759] Recent Cross-section Measurements from MicroBooNE	CASTILLO FERNANDEZ, Raquel
18:15	[762] Neutral Current $\pi^0$ Rate Measurement with the MicroBooNE Detector	ROSS-LONERGAN, Mark
18:30	[764] Charged-Current Electron Neutrino measurement with the MicroBooNE detector	Dr VAN DE PONTSEELE, Wouter
18:45	[391] Recent Cross-section Results from the T2K Experiment	Dr TSUI, Ka Ming
19:00	[390] Neutrino Oscillations Results from the T2K Experiment	MUNTEANU, Laura-Iuliana
19:15	[392] The T2K ND280 Upgrade	SGALABERNA, Davide
19:30	[419] Latest Oscillation Results Combining Neutrino and Antineutrino Data from the NOvA Experiment	BAIRD, Michael
19:45	[718] The NOvA Test Beam Program	WALLBANK, Michael
20:00	[600] The COHERENT Experiment at the Spallation Neutron Source	KONOVALOV, Alexey
20:15	[261] Sterile neutrino searches with the ICARUS detector	FARNESE, Christian
20:30	[758] Search for a Low-energy Excess with MicroBooNE	CARATELLI, David
20:45	[399] Search for heavy neutral lepton production at the NA62 experiment	GOUDZOVSKI, Evgueni

# Wednesday, 29 July 2020

## Neutrino Physics: Session I - Replay (08:00 - 13:00)

## Neutrino Physics: Session II - Premiere (15:30 - 21:00)

-Conveners: Vit Vorobel; Elizabeth Turner Worcester

time	[id] title	presenter
15:30	[22] Neutrino Physics with the SHiP experiment at CERN	DE SERIO, Marilisa
15:45	[253] The ENUBET experiment	TERRANOVA, Francesco
16:00	[565] Hadron production measurements for neutrino oscillation experiments at NA61/SHINE	RUMBERGER, Brant T
16:15	[17] The ESSnuSB project	Dr KLICEK, Budimir Dr DRACOS, Marcos
16:30	[38] Detecting and studying high-energy neutrinos with FASERnu at the LHC	Dr ARIGA, Akitaka
16:45	[274] Hadron-argon cross-section measurements in ProtoDUNE-SP	LIAO, Heng-Ye
17:00	[529] Cryogenic Instrumentation at ProtoDUNE	GARCIA PERIS, Miguel Angel
17:15	[817] nuSTORM; unique facility for neutrino physics and muon-collider test bed	LONG, Kenneth Richard
17:30	[1014] The Accelerator Neutrino Neutron Interaction Experiment (ANNIE)	Prof. SANCHEZ, Mayly
17:45	[335] First Measurement of Electron Neutrino Cross Section on Argon	FITZPATRICK, Rory
18:00	[980] Recent Progress in LArIAT	BASQUE, Vincent
18:15	Coffee break	
18:30	[210] Spallation background in the Super-Kamiokande experiment	Mrs BERNARD, Laura
18:45	[713] Long-baseline neutrino oscillation sensitivities with Hyper-Kamiokande	SCOTT, Mark
19:00	[719] Near Detectors for the Hyper-K Neutrino Experiment	Dr HARTZ, Mark
19:15	[969] The PTOLEMY experiment to look at the first second of the Universe	MESSINA, Marcello
19:30	[925] Neutrino physics with the PTOLEMY project	Dr GARIAZZO, Stefano
19:45	[727] KM3NeT: Status and Prospects for Neutrino Astronomy at Low and High Energies	HUANG, Feifei
20:00	[621] Improved geoneutrino results from Borexino	MANTOVANI, Fabio
20:15	[51] New results from the DANSS experiment	Prof. DANILOV, Mikhail
20:30	[1004] Reactor Neutrino Measurement with PROSPECT	ZHANG, Xianyi
20:45	[555] Status and Recent Results of the MAJORANA DEMONSTRATOR	Prof. XU, Wenqin

# Thursday, 30 July 2020

## Neutrino Physics: Session II - Replay (01:00 - 06:00)

## Neutrino Physics: Session III - Premiere (08:00 - 13:30)

-Conveners: Qun Wu; David Waters

time	[id] title	presenter
08:00	[619] First detection of solar neutrinos from CNO cycle with Borexino	IANNI, Aldo
08:15	[673] Reactor antineutrino flux and spectrum measurement at Daya Bay	Dr FENGPENG, An AN, Fengpeng
08:30	[691] Latest Reactor Neutrino Oscillation Results from the Daya Bay Experiment	ROSKOVEC, Bedrich ROSKOVEC, Bedrich
08:45	[1036] Recent Results from RENO	CHANGDONG, Shin
09:00	[1023] Latest results of the STEREO search for a sterile neutrino at a research reactor	Mr LABIT, Loïc
09:15	[423] Reactor neutrino anomalies and possible solutions	LI, Yufeng
09:30	[661] First results from the SoLid reactor neutrino experiment	HENAFF, David
09:45	[827] Atmospheric Neutrino Oscillation with Super-Kamiokande	TAKHISTOV, Volodymyr
10:00	[200] The diffuse supernova neutrino background in Super-Kamiokande	EL HEDRI, Sonia
10:15	[444] Status of the SK-Gd project	MARTI-MAGRO, Lluís
10:30	[714] Sensitivity Study for Astrophysical Neutrinos at Hyper-Kamiokande	Dr YANO, Takatomi
10:45	Coffee break	
11:00	[433] Constraining dark matter-neutrino interactions with IceCube-170922A	Mr KIM, Jongkuk
11:15	[262] DUNE experiment physics	JONES, Seb
11:30	[272] Neutrino interaction physics and the DUNE near detector	F. CARNEIRO, Mateus
11:45	[40] Experiment DsTau (NA65) - study of tau neutrino production at CERN SPS	VASINA, Svetlana
12:00	[1030] KATRIN experiment: first neutrino mass result and future prospects	LOKHOV, Alexey
12:15	[307] New results from the CUORE experiment	GIACHERO, Andrea
12:30	[710] Double beta decay results from the CUPID-0 experiment	CHIESA, Davide
12:45	[752] Results of the GERDA Phase II experiment	Dr GUSEV, Konstantin
13:00	[36] Preliminary results of the R2D2 project: a new neutrinoless double beta decay experiment	MEREGAGLIA, Anselmo
13:15	[644] Usage of PEN as self-vetoing structural material in low background experiments	Dr MANZANILLAS, Luis

## Neutrino Physics: Session III - Replay (15:30 - 20:30)

# Friday, 31 July 2020

## Neutrino Physics: Session IV - Premiere (08:00 - 13:15)

-Conveners: Hiroyuki Sekiya; Thomas Schwetz

time	[id] title	presenter
08:00	[634] JUNO Physics	Dr JOLLET, Cecile
08:15	[701] KM3NeT/ORCA: status and perspectives for neutrino oscillation and mass hierarchy measurements	KALACZYNSKI, Piotr
08:30	[883] Paleo-Detectors for Galactic Supernova Neutrinos	Dr STENGEL, Patrick
08:45	[483] Sufficient and necessary conditions for CP conservation with Majorana neutrinos	Prof. ZHOU, Shun
09:00	[649] Electromagnetic neutrino properties: new constraints and new effects	STUDENIKIN, Alexander
09:15	[651] Neutrino Oscillation in Dense Matter	Prof. LUO, Shu
09:30	[678] Perturbative Charm Production and the Prompt Atmospheric Neutrino Flux in light of RHIC and LHC	Dr BHATTACHARYA, Atri
09:45	[681] Neutrino mass ordering obscured by the non-standard interactions	Dr CHATTERJEE, Sabya Sachi
10:00	[787] Why matter effects are important for MBL experiments?	Dr KHAN, Amir NUNOKAWA, Hiroshi
10:15	[820] New constraints on heavy neutral leptons coming from oscillation data analysis and precision $e^+e^-$ physics	FLIEGER, Wojciech Jakub
10:30	[18] A Standard Model explanation for the MiniBooNE anomaly.	IOANNISYAN, Ara
10:45	Coffee break	
11:00	[19] Testing MSW effect in Supernova Explosion with Neutrino event rates	Mr LEUNG, Chun Sing Jason
11:15	[58] Production of $\nu_{\tau}$ neutrinos and $\overline{\nu}_{\tau}$ antineutrinos - elaborate calculation for a fixed target experiment SHIP	MACIULA, Rafal SZCZUREK, Antoni
11:30	[81] Matter vs Vacuum Oscillations in Atmospheric Neutrinos	DATTA, Jaydeep
11:45	[482] Studies of Quantum Mechanical Coherency Effects in Neutrino-Nucleus Elastic Scattering	Dr SHARMA, Vivek
12:00	[953] Implications of Rare Kaon Decays on Lepton Number Violating Interactions	FRIDELL, Kåre
12:15	[409] Non-Standard Interactions in Radiative Neutrino Mass Models	Dr JANA, SUDIP
12:30	[818] Neutron-antineutron oscillation search with MicroBooNE and DUNE	JWA, Yeon-Jae
12:45	[266] Neutrino event reconstruction in DUNE using Pandora	WHITEHEAD, Leigh Howard
13:00	[418] Deep Learning Event Reconstruction at DUNE	JARGOWSKY, Benjamin

## Neutrino Physics: Session IV - Replay (15:30 - 20:30)