

2017 Meeting of the APS Division of Particles and Fields (DPF 2017)

Monday, July 31, 2017

Neutrino Physics: Monday morning - Ramsey Auditorium (10:45 AM - 12:10 PM)

-Conveners: JYOTI JOSHI

time	[id] title	presenter
10:45	A[37] Sterile Neutrino Searches with NOvA	Dr DAVIES, Gavin S.
11:03	A[103] The Short Baseline Near Detector at Fermilab	Dr CRESPO-ANADÓN, José Ignacio
11:21	A[103] Improved Search for a Light Sterile Neutrino at Daya Bay, and Combined Analysis with MINOS and Bugey-3	Mr KRAMER, Matt
11:39	A[126] Evolution of the Reactor Antineutrino Flux and Spectrum at Daya Bay	Dr MARTINEZ CAICEDO, David

Neutrino Physics: Monday afternoon - Ramsey Auditorium (1:30 PM - 3:15 PM)

-Conveners: Georgia Karagiorgi

time	[id] title	presenter
1:30	F[153] Summary of the Second Numu Disappearance Results from the NOvA Experiment	Dr BAIRD, Michael
1:48	F[168] Muon Neutrino Disappearance in the NOvA experiment	Ms MENDEZ, Diana Patricia
2:06	F[139] Recent Developments in T2K Oscillation Analysis	Ms LI, Xiaoyue
2:24	F[162] Using the PPFX package for the DUNE Experiment	BASHYAL, Amit
2:42	F[177] Design of the LBNF Beamline	HYLEN, Jim
3:00	F[180] Analytic Neutrino Oscillation Probabilities in Matter Revisited.	Dr PARKE, Stephen

Tuesday, August 1, 2017

Neutrino Physics: Tuesday morning - Ramsey Auditorium (10:45 AM - 12:15 PM)

-Conveners: Sowjanya Gollapinni

time	[id] title	presenter
10:45	P10 [M09] Current Analysis Status for the Inclusive Neutral Current π^0 Production Cross section Measurement with the NOvA Near Detector	Ms KALRA, Daisy
11:03	P104 [M04] Measurement of Neutral Current Coherent π^0 Production In The NOvA Near Detector	DUYANG, Hongyue
11:21	P109 [M09] Measurement of Reconstructed Charged Particle Multiplicities of Neutrino Interactions in MicroBooNE	Ms RAFIQUE, Aleena
11:39	P114 [M14] Neutrino-Nucleus Deep Inelastic Scattering (DIS) results from MINERvA	Mr RIMAL, Dipak
11:57	P118 [M18] Antineutrino to neutrino charged-current interaction cross section ratio in MINERvA	Dr REN, Lu

Neutrino Physics: Tuesday afternoon - Ramsey Auditorium (1:30 PM - 3:15 PM)

-Conveners: Minerba Betancourt

time	[id] title	presenter
1:30	P117 [M17] Nuclear Dependence of Quasi-Elastic Scattering at MINERvA	Prof. BERCELLIE, Aaron
1:48	P119 [M19] Recent MINERvA Double Differential CCQE Cross Section Results Using Lepton Kinematics	Prof. KLEYKAMP, Jeffrey
2:06	P117 [M17] Status of an Alternative Measurement of the Inclusive Muon Neutrino Charged-current Cross Section in the NOvA Near Detector	Mr BEHERA, Biswaranjan
2:24	P149 [M49] Status of the Charged Pion Semi-Inclusive Neutrino Charged-Current Cross Section in NOvA	Mr TSARIS, Aristeidis
2:42	P186 [M86] Status of the Electron-Neutrino Charged-Current Inclusive Cross-Section Measurement in NOvA	Mr DING, Pengfei
3:00	P105 [M05] Measurement of Neutrino-Electron Elastic Scattering at NOvA Near Detector	Prof. BIAN, Jianming

Wednesday, August 2, 2017

Neutrino Physics: Wednesday morning - Ramsey Auditorium (10:45 AM - 12:15 PM)

-Conveners: Benjamin Jones

time	[id] title	presenter
10:45 AM	[M08] Solar and Supernova Neutrinos in Super-Kamiokande	Mr LOCKE, Scott
11:03 AM	[M11] Perturbative charm production and the prompt atmospheric neutrino flux in light of RHIC and LHC	Prof. SARCEVIC, INA
11:21 AM	[M17] New Measurement of Atmospheric Neutrino Oscillations with IceCube	Dr ATHAYDE MARCONDES DE ANDRÉ, João Pedro
11:39 AM	[M02] Dimension 7 neutrino mass generation and its implications for the LHC and the dark matter	Prof. NANDI, Satyanarayan

Neutrino Physics: Wednesday afternoon - Ramsey Auditorium (1:30 PM - 3:15 PM)

-Conveners: Christopher Grant

time	[id] title	presenter
1:30 PM	[M27] COHERENT at the Spallation Neutron Source	SCHOLBERG, Kate
1:48 PM	[M24] Searching for Neutrino-Induced Neutron Production at the Spallation Neutron Source (SNS) on Lead Target	BECKER, Brandon
2:06 PM	[M62] CAPTAIN: Current Neutron and Future Stopped Pion Neutrino Measurements	Dr DOKANIA, Neha
2:24 PM	[M03] The LArIAT Experiment	Mr PULLIAM, Gregory
2:42 PM	[M76] A study of charged kaon-nucleon total interaction cross section in liquid argon.	GRAMELLINI, Elena
3:00 PM	[M77] Antiproton Annihilation on Argon Nuclei in LArIAT	FOREMAN, William

Thursday, August 3, 2017

Neutrino Physics: Thursday morning - Ramsey Auditorium (10:45 AM - 12:15 PM)

-Conveners: Christopher Grant

time	[id] title	presenter
10:45 AM	[M19] Extracting neutrino oscillation parameters using a simultaneous fit of the neutrino appearance and neutrino disappearance data in the NOvA experiment	Mr SINGH, Prabhjot Singh
11:03 AM	[M21] Physics reach of electron neutrino appearance measurements in NOvA	CATANO MUR, Erika
11:21 AM	[M17] Measurement of Neutrino Flux In The DUNE Near Detector	DUYANG, Hongyue
11:39 AM	[M23] Optimization of the LBNF Neutrino Beam	Mr ZAKI, Rowan
11:57 AM	[M25] Reducing neutrino cross-section uncertainties with the NuPRISM experiment	Dr VILELA, Cristovao

Neutrino Physics: Thursday afternoon - Ramsey Auditorium (1:30 PM - 3:15 PM)

-Conveners: Georgia Karagiorgi

time	[id] title	presenter
1:30 PM	[M14] Beyond Standard Model scales constrained by recent double beta decay experimental data	Prof. HOROI, Mihai
1:48 PM	[M11] Results from the MAJORANA DEMONSTRATOR	LOPEZ, Andrew
2:06 PM	[M23] Project 8: A New Generation of Neutrino Mass Experiment	Mr ASHTARI ESFAHANI, Ali
2:24 PM	[M06] Recent results of EXO-200 and R&D progress of nEXO	COON, Matthew
2:42 PM	[M69] Current Status and Commissioning of the SNO+ Experiment	Prof. GRANT, Christopher
3:00 PM	[M22] The NEXT Experiment	Dr JONES, Benjamin