

XVIII International Conference on Topics in Astroparticle and Underground Physics (TAUP 2023)

Monday, August 28, 2023

Neutrino physics and astrophysics: parallel session 1A - Audimax (2:30 PM - 4:00 PM)

-Conveners: Ruben Saakyan

time	[id] title	presenter
2:30 PM	[566] Precision Neutrino Mixing Angle Measurement with Double Chooz Experiment and Latest Results	Mr SOLDIN, Philipp
2:45 PM	[257] The study of neutrinos and antineutrinos from astrophysical sources by Borexino	Dr ZAVATARELLI, Sandra
3:00 PM	[93] Latest result of geoneutrino measurement with KamLAND	Dr KAWADA, Nanami
3:15 PM	[449] Potassium Geoneutrino Detection	Prof. CHEN, Mark
3:30 PM	[145] JUNO detector design and status	GUO, Cong
3:45 PM	[276] First deployment of water-based liquid scintillator in ANNIE	Prof. WURM, Michael

Neutrino physics and astrophysics: parallel session 1B - Hörsaal 21 lecture hall (2:30 PM - 4:00 PM)

-Conveners: Mayly Sanchez

time	[id] title	presenter
2:30 PM	[122] Measurement of the neutrino-oxygen neutral-current quasielastic cross section using atmospheric neutrinos in the SK-Gd experiment	SAKAI, Seiya
2:45 PM	[360] Recent Neutrino Cross Section Measurements with the T2K ND280 Detector	LATHAM, Nick
3:00 PM	[328] The ENUBET experiment for high precision neutrino cross section measurements	BRANCA, Antonio
3:15 PM	[46] NA65(DsTau): study of tau neutrino production in p-A interactions	Prof. GULER, Murat Ali
3:30 PM	[38] SND@LHC experiment at CERN	Prof. GULER, Murat Ali
3:45 PM	[361] The T2K Near Detector upgrade	ROTH, Stefan

Neutrino physics and astrophysics: parallel session 2A - Audimax (4:30 PM - 6:30 PM)

-Conveners: Hiroyuki Sekiya

time	[id] title	presenter
4:30 PM	[264] Solar Neutrinos in Liquid Argon (SoLAR)	PARSA, Saba
4:45 PM	[401] Directionality measurement of CNO neutrinos with Borexino detector	Dr BASILICO, Davide
5:00 PM	[134] Testing CPT invariance with the neutrino solar sector	MARTINEZ-MIRAVE, Pablo
5:15 PM	[270] Non-oscillation Physics at JUNO	LI, Gaosong
5:30 PM	[313] Sources of background and veto strategies for background mitigation in the JUNO experiment	Dr LABIT, Loic-René
5:45 PM	[497] LiquidO – opaque light detection technology	GIRARD-CARILLO, Cloé

6:00 PM	[222] Status of the 30-ton WbLS Demonstrator Detector at Brookhaven	SVOBODA, Bob
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Neutrino physics and astrophysics: parallel session 2B - Hörsaal 21 lecture hall (4:30 PM - 6:30 PM)

-Conveners: Ines Gil Botella

time	[id] title	presenter
4:30 PM	[95] Detecting and studying three-flavor neutrinos with FASER at the LHC	TAKUBO, Yosuke
4:45 PM	[148] The European Spallation Source neutrino Super Beam plus Project	Ms THARA HARIHARAN, Vidhya
5:00 PM	[410] Status of the Short-Baseline Near Detector at Fermilab	Dr YATES, Lauren
5:15 PM	[144] Latest Neutrino Oscillation Results from T2K	MELLET, Lucile
5:30 PM	[406] DUNE long-baseline oscillation physics sensitivity	WILKINSON, Callum David
5:45 PM	[285] Neutrino oscillation physics at JUNO	Dr KARAPARAMBIL RAJAN, Rebin
6:00 PM	[94] Neutrino oscillations revisited	Prof. ŠIMKOVIĆ, Fedor

Tuesday, August 29, 2023

Neutrino physics and astrophysics: parallel session 3A - Audimax (2:00 PM - 3:30 PM)

-Conveners: David Moore

time	[id] title	presenter
2:00 PM	[187] Final results of the CUPID-Mo $0\nu\beta\beta$ experiment	IMBERT, Léonard
2:15 PM	[196] Latest results from the CUORE experiment	Dr ALFONSO, Krystal
2:30 PM	[133] Neutrinoless double-beta decay search with SNO+	Dr LOZZA, Valentina
2:45 PM	[75] A New ^{82}Se detector for Neutrinoless Double Beta Decay Searches	Prof. CIUFFOLI, Emilio
3:00 PM	[69] Demonstration of TI-208 background reduction using topological information of Cherenkov light and observation of Zr-96 two neutrino double beta decay	Prof. FUKUDA, Yoshiyuki
3:15 PM	[165] Liquid argon light collection and veto modeling in GERDA Phase II	Dr PERTOLDI, Luigi

Neutrino physics and astrophysics: parallel session 3B - Hörsaal 21 lecture hall (2:00 PM - 3:30 PM)

-Conveners: Liangjian Wen

time	[id] title	presenter
2:00 PM	[430] Sterile neutrino searches at the MicroBooNE experiment	MICALLEF, Jessie
2:15 PM	[436] ICARUS at the Fermilab Short-Baseline Neutrino Program: Status and Perspectives	MENDEZ MENDEZ, Diana Patricia
2:30 PM	[421] The 2x2 Demonstrator - A demonstrator for the DUNE ND-LAr Near Detector based on the ArgonCube Design	RUSSELL, Brooke
2:45 PM	[415] Cryogenic Charge Readout Electronics for the ProtoDUNE-II Program and DUNE	HUANG, Roger Guo HUANG, Roger
3:00 PM	[419] SBND Hardware Trigger System	KROUPOVA, Tereza
3:15 PM	[283] Kaon Quenching Studies to Improve JUNO's Sensitivity to Proton Decay	FAHRENDHOLZ, Ulrike

Neutrino physics and astrophysics: parallel session 4A - Audimax (4:00 PM - 6:00 PM)

-Conveners: Andre de Gouvea

time	[id] title	presenter
4:00 PM	[162] The first neutrino mass measurement of HOLMES	BORGHESI, Matteo
4:15 PM	[212] LEGEND-200: From Construction to Physics Data Taking	Dr WILLERS, Michael
4:30 PM	[213] LEGEND-200: First glance at the background in physics data	VON STURM, Katharina
4:45 PM	[295] First results from the CUORE background model	Mr GHISLANDI, Stefano
5:00 PM	[251] Status of AMoRE-II	OH, Yoomin
5:15 PM	[287] R&D status of the Selena Neutrino Experiment	Prof. CHAVARRIA, Alvaro
5:30 PM	[217] Going big for Phase III of the Project 8 neutrino mass experiment	STACHURSKA, Juliana
5:45 PM	[249] New prospects in the search for neutrinoless double beta decay of ^{96}Zr	Dr NAGORNY, Serge

Neutrino physics and astrophysics: parallel session 4B - Hörsaal 21 lecture hall (4:00 PM - 6:00 PM)**-Conveners: Vasile Mihai Ghete**

time	[id] title	presenter
4:00 PM	[91] New physics implications of COHERENT data	Dr DE ROMERI, Valentina
4:15 PM	[486] NUCLEUS: Detecting Coherent Elastic Reactor Neutrino Nucleus Scattering at the Chooz nuclear plant	Dr LASSERRE, Thierry
4:30 PM	[552] At the 100 eV Frontier: Calibrating Nuclear Recoils with CRAB	WAGNER, Victoria
4:45 PM	[225] New CEvNS limit from the CONUS experiment	SANCHEZ, Edgar
5:00 PM	[269] Upgraded CONNIE experiment with Skipper CCDs	Dr AGUILAR-AREVALO, Alexis
5:15 PM	[123] Coherent Neutrino-Nucleus Elastic Scattering at Reactor with TEXONO Experiment	Dr SINGH, Manoj Kumar
5:30 PM	[176] Status of the NEON experiment (Neutrino Elastic-scattering Observation in NaI)	HA, Chang Hyon
5:45 PM	[157] Exploring neutrino electromagnetic properties with CEvNS	Dr TÓRTOLA, Mariam

Wednesday, August 30, 2023

Neutrino physics and astrophysics: parallel session 5A - Audimax (2:00 PM - 3:30 PM)

-Conveners: David Moore

time	[id] title	presenter
2:00 PM	[319] Final Results of the MAJORANA DEMONSTRATOR and Improvements in its Background Model	HAUFE, Christopher
2:15 PM	[332] The MAJORANA DEMONSTRATOR's Search for Double-Beta Decay of ^{76}Ge to Excited States of ^{76}Se	GUINN, Ian
2:30 PM	[300] CUPID the next generation $0\nu\beta\beta$ bolometric experiment	NONES, Claudia
2:45 PM	[324] LEGEND-1000: A Ton-Scale Search for Neutrinoless Double-Beta Decay in Ge-76	GUISEPPE, Vincente
3:00 PM	[333] Discovering the origin of matter with liquid xenon neutrinoless double-beta decay detectors: nEXO and beyond	Dr SANGIORGIO, Samuele
3:15 PM	[311] Building an atomic source for the Project 8 experiment	Dr THORNE, Larisa

Neutrino physics and astrophysics: parallel session 5B - Hörsaal 21 lecture hall (2:00 PM - 3:30 PM)

-Conveners: Ruben Saakyan

time	[id] title	presenter
2:00 PM	[223] eV and keV sterile neutrinos search with the KATRIN experiment	ONILLON, Anthony
2:15 PM	[576] Final Physics Results from the PROSPECT-I Data Set	VENEGAS VARGAS, Diego
2:30 PM	[554] First Result of the Search for Antineutrino Disappearance at SoLid	Mr GALBINSKI, Daniel
2:45 PM	[294] LiF experiment for keV sterile neutrino search	LEE, YongChang
3:00 PM	[373] Towards the Solutions of Reactor and Gallium Anomalies	Prof. LI, Yufeng
3:15 PM	[447] Search for the eV-scale sterile neutrino at a very short baseline - status and perspectives	Dr MINOTTI, Alessandro

Neutrino physics and astrophysics: parallel session 6A - Audimax (4:30 PM - 6:30 PM)

-Conveners: Fedor Simkovic

time	[id] title	presenter
4:30 PM	[339] Probing the neutrino mass scale with the KATRIN experiment	LOKHOV, Alexey
4:45 PM	[366] First Neutrino Mass Limit from the Project 8 Experiment	Dr OBLATH, Noah
5:00 PM	[340] NEXT: first neutrino-less double beta decay searches in gaseous Xe and roadmap towards a ton-scale detector	NOVELLA GARIJO, Pau
5:15 PM	[454] Status of SuperNEMO and Analysis of First Data	PATRICK, Cheryl
5:30 PM	[432] Result of AMoRE-I Experiment	KIM, HAN BEOM
5:45 PM	[542] BINGO: investigation of the Majorana nature of neutrinos at a few meV level of the neutrino mass scale	Mr BEREST, Vladyslav
6:00 PM	[481] CDEX-300v program for Ge-76 neutrinoless double beta decay search	Prof. MA, Hao Dr YANG, Litao

6:15 PM	[424] Final results of the CUPID-0 combined background model	CELI, Emanuela Dr PAGNANINI, Lorenzo
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Neutrino physics and astrophysics: parallel session 6B - Hörsaal 21 lecture hall (4:30 PM - 6:30 PM)

-Conveners: Valentina De Romeri

time	[id] title	presenter
4:30 PM	[99] Recent Developments Regarding the MiniBooNE Anomaly	KAMP, Nicholas
4:45 PM	[66] Damping of neutrino oscillations and decoherence in neutrino reactor and radioactive source experiments	Prof. AKHMEDOV, Evgeny
5:00 PM	[245] Neutrinoless double beta decay: interplay between nuclear matrix elements and neutrino exchange mechanisms	Dr MARRONE, Antonio
5:15 PM	[389] Light vector bosons and the weak mixing angle in the light of new reactor-based CE ν NS experiments	RINK, Thomas
5:30 PM	[207] Sensitivity of Coherent Elastic Neutrino-Nucleus Scattering experiments to Non-Standard Interactions	SANCHEZ GARCIA, Gonzalo
5:45 PM	[374] Searching for CEvNs at a nuclear reactor with skipper-CCDs	CABABIE, Mariano
6:00 PM	[117] CEvNS at the European Spallation Source	Dr SIMÓN ESTÉVEZ, Ander
6:15 PM	[529] Recent study and results for ionization efficiency theory in pure materials	Dr SARKIS MOBARAK, Youssef

Thursday, August 31, 2023

Neutrino physics and astrophysics: parallel session 7A - Audimax (2:00 PM - 3:30 PM)

-Conveners: Hiroyuki Sekiya

time	[id] title	presenter
2:00 PM	[337] Latest Results with the KM3NeT Neutrino Telescope	GOZZINI, Sara Rebecca
2:15 PM	[185] Tau neutrino appearance measurement in KM3NeT/ORCA 6	Dr LASTORIA, Chiara F
2:30 PM	[237] Results on Neutrino Non-Standard Interactions with KM3NeT/ORCA6 and ANTARES	Mr LAZO PEDRAJAS, Alfonso
2:45 PM	[128] Baikal-GVD neutrino telescope: recent status	Dr DVORNICKY, Rastislav
3:00 PM	[320] The Pacific Ocean Neutrino Experiment	WHITEHORN, Nathan
3:15 PM	[327] Prospects for core-collapse supernova neutrino detection in IceCube-Gen2	BEISE, Jakob

Neutrino physics and astrophysics: parallel session 7B - Hörsaal 21 lecture hall (2:00 PM - 3:30 PM)

-Conveners: Irene Tamborra

time	[id] title	presenter
2:00 PM	[288] First result of a search for Diffuse Supernova Neutrino Background in SK-Gd experiment	HARADA, Masayuki
2:15 PM	[306] Lower Energy Extension for Anti-Electron-Neutrino Search in the Super-Kamiokande Experiment	IZUMIYAMA, Shota
2:30 PM	[399] Pre-Supernova Alarm at Super-Kamiokande and Combined Monitoring with KamLAND	Dr NASCIMENTO MACHADO, Lucas
2:45 PM	[125] Neutrino nonradiative decay and the diffuse supernova neutrino background	IVÁÑEZ BALLESTEROS, Pilar
3:00 PM	[184] Supernova and solar neutrino searches at DUNE	CUESTA SORIA, Clara
3:15 PM	[138] Neutrino physics with SNO+	KAPTANOGLU, Tanner

Neutrino physics and astrophysics: parallel session 8A - Audimax (4:00 PM - 6:00 PM)

-Conveners: Andre de Gouvea

time	[id] title	presenter
4:00 PM	[153] Astrophysical neutrino point sources as a probe of new physics	DÖRING, Christian
4:15 PM	[256] New SSMS confronted with helioseismic and solar neutrino data	Prof. VILLANTE, Francesco Lorenzo
4:30 PM	[47] Electromagnetic Properties of Neutrinos	Dr JANA, Sudip
4:45 PM	[278] External Alert Response with IceCube MeV neutrino data	Mrs VALTONEN-MATTILA, Nora
5:00 PM	[289] Development of analysis method for late-phase neutrino emission from the supernova in Super-Kamiokande	NAKANISHI, Fumi

Neutrino physics and astrophysics: parallel session 8B - Hörsaal 21 lecture hall (4:00 PM - 6:00 PM)

-Conveners: Pavel Povinec

time	[id] title	presenter
4:00 PM	[397] New Measurement of Muon Neutrino Disappearance with IceCube-DeepCore	MICALLEF, Jessie YU, Shiqi
4:15 PM	[484] Study of cosmic rays in the ICARUS-T600 detectors	CICERCHIA, Magda
4:30 PM	[563] Atmospheric neutrino oscillation sensitivities with the IceCube Upgrade	WELDERT, Jan
4:45 PM	[480] Probing neutrino production in high-energy astrophysical neutrino sources with the Glashow Resonance	LIU, Qinrui
5:00 PM	[382] Simulating and searching for Heavy Neutral Leptons in IceCube	BOOK, Julia