

TeV Particle Astrophysics 2026

Monday 31 August 2026

NU: NU1 : Application of Neutrino Measurements - □□ **Gassan (14:00 - 15:30)**

time	[id] title	presenter
14:00	[177] Global Comparison of Atmospheric Muon and Neutrino Flux Measurements with MCEq Predictions	VAN ROOTSELAAR, Lene
14:15	[182] Earth Tomography with Atmospheric Neutrino Absorption at TRIDENT	HUANG, Jingtao
14:30	[261] Potential to detect prompt atmospheric neutrinos with TRIDENT	FENG, Yue
14:45	[161] Filling the Energy Gap: Measurement of the DIS Neutrino Cross Section Using 10 Years of IceCube Data	HILL, Colton
15:00	[217] Visible inelasticity as a probe of tau flavor content of astrophysical neutrinos	WEN, Alex
15:15	[321] Prospects of Measuring the Flavor Composition in Tau Air Shower Neutrino Telescopes with the Glashow Resonance	LIU, Qinrui

Tuesday 1 September 2026

NU: NU2 : Detectors and Calibrations - □□ Gassan (14:00 - 15:30)

time	[id] title	presenter
14:00	[45] The P-ONE Data Acquisition System	GARRIZ, Jeanne
14:15	[158] In-Situ Afterpulse Modeling in IceCube	KIM, Taeyun
14:30	[191] A Cost-Effective Optimization of the hybrid-DOM Design for TRIDENT	SHAO, Hengbin
14:45	[211] Development of a real-time in-situ calibration system for deep-sea neutrino telescopes	ZHU, Tailin
15:00	[262] Development of a Fiber Optic Module (FOM) for improving Veto capability in IceCube-Gen2.	YUASA, Keita

NU: NU3 : High-Energy Astrophysical Neutrino Measurements - □□ Gassan (16:00 - 18:00)

time	[id] title	presenter
16:00	[181] The Baikal-GVD Neutrino Telescope: status and recent results	SAFRONOV, Grigory
16:25	[185] The First Long Term In-situ Performance of a Prototype Demonstrator for TRIDENT Neutrino Telescope	ZHANG, Fuyudi
16:40	[189] Status of the Pacific Ocean Neutrino Experiment	TABOADA, Ignacio
16:55	[247] POLARIS: A Sparse Radial Neutrino Telescope Design for the Pacific Ocean	HYMON, Karolin
17:10	[159] Towards Deep Learning-Based Event Reconstruction and Selection for Point-Source Searches with the IceCube-Gen2 Optical Array.	VARA CARBONELL, Francisco Javier
17:25	[133] A Joint Characterization of Galactic and Extragalactic Neutrino Fluxes	FÜRST, Philipp

Wednesday 2 September 2026

NU: NU4 : Low-Energy Neutrino Physics - □□ Gassan (14:00 - 15:30)

time	[id] title	presenter
14:00	[37] RELICS: A liquid xenon time projection chamber for reactor CEvNS	LIN, Qing
14:15	[101] The search for neutrinoless double beta decay of Xe-136 with the LUX-ZEPLIN experiment	AL MUSALHI, Aiham
14:30	[216] Solar Atmospheric Neutrinos: A Simulation-Based Flux Calculation with Solar Magnetic Field and Neutrino Propagation	MA, Ho Lung
14:45	[244] Overview and Latest Physics Results in JUNO	LIU, Qishan
15:00	[115] Capturing neutrons in deep-sea neutrino telescopes	CAO, Ruike
15:15	[268] Neutron invisible decay in ancient minerals	Ms FUNG, Audrey

NU: NU5 : Neutrino Observatories - □□ Gassan (16:00 - 18:00)

time	[id] title	presenter
16:00	[225] The Payload for Ultrahigh Energy Observations (PUEO): 2025-2026 Flight and Experiment Overview	Dr BEAUFORE, Lucas
16:15	[193] Status and Science of the Radio Neutrino Observatory in Greenland	TOSCANO, Simona
16:30	[208] The Radio Neutrino Observatory in Greenland (RNO-G): Simulation Progress towards a Diffuse Neutrino Search	LIU, Youwei
16:45	[186] Status of the Radar Echo Telescope Experiment	LOUDON, Isha
17:00	[210] Explaining Signal Properties in Context of Reconstruction methods for the Radar Echo Telescope for Neutrinos	LOONEN, Jannes
17:15	[249] The Trinity Neutrino Observatory: Probing the PeV–EeV Neutrino Sky	RAUDALES, David
17:30	[184] Trinity's sensitivity to UHE Tau Neutrinos from X-ray Bright and Obscured AGN	SAINI, Sameeksha
17:45	[142] TAMBO and TAMBITO: Progress Towards a Next-Generation Tau Neutrino Observatory	ARGÜELLES, Carlos