

TeV Particle Astrophysics 2026

Monday 31 August 2026

DM: DM1 : Axions and Quantum Sensors - □□ Maizuru (14:00 - 15:30)

time	[id] title	presenter
14:00	[21] Broadband Axion Dark Matter Search via Heterodyne Atom Interferometry	Dr ROBERT, Paul
14:18	[322] Enhanced Dark Matter Quantum Sensing via Geometric Phase	Dr MA, XIAOLIN
14:36	[84] Status of the TESSERACT Dark Matter Experiment	WILLIAMS, Michael
14:54	[136] Low-Background X-Ray Detectors for the Next Generation of Solar Axion Searches	SCHÖNFELD, Lucinda
15:12	[39] Probing the Parameter Space of Axion-Like Particles Using Simulation-Based Inference	BHATTACHARJEE, Pooja

DM: DM2 : Major Direct Detection Experiments - □□ Maizuru (16:00 - 18:00)

time	[id] title	presenter
16:00	[30] Overview of PandaX experiment	YANG, Yong
16:18	[27] Status of Solar B8 CE $\square$ NS and Light Dark Matter Search in PandaX-4T	LIN, Qing
16:36	[85] Recent Results on Solar Neutrinos and Light Dark Matter searches with the LUX-ZEPLIN Experiment	KODROFF, Daniel
16:54	[278] The PICO Dark Matter Search	WOODLEY, William
17:12	[38] Recent results from the DEAP-3600 dark matter search experiment	MARU, Akhil Hitesh
17:30	[25] The SABRE South Experiment at the Stawell Underground Physics Laboratory	JAMES, Robert

Tuesday 1 September 2026

DM: DM3 : Astrophysical and Cosmological DM Probes - ☐☐ Maizuru (14:00 - 15:30)

time	[id] title	presenter
14:00	[60] Beyond Spherical Assumptions: CTAO Sensitivity to Dark Matter in Dwarf Spheroidal Galaxies	HAYASHI, Kohei
14:18	[174] Search for Line-Like Gamma-Ray Signals from Dark Matter in the Galactic Center with CTAO LST-1	Dr ABE, Shotaro
14:36	[286] Search for Dark Matter Annihilation in the Sun and Solar Atmospheric Neutrinos with IceCube	YU, Felix
14:54	[170] Cosmology-informed constraints on the fuzzy dark matter mass from dwarf-spheroidal stellar kinematics	HORIGOME, Shunichi
15:12	[156] Dark Matter Heating of Compact Stars by Particle Beams	HOR, Shihwen

DM: DM4 : Indirect Detection and Multi-Messenger Searches - ☐☐ Maizuru (16:00 - 18:00)

time	[id] title	presenter
16:00	[13] Multiwavelength Indirect Dark Matter Searches With Radio- and Gamma-Ray Astronomy	Mr KNIERIM, Anno WERSIG, Felix
16:18	[57] Composite asymmetric dark matter: multi-messenger study	KAMADA, Ayuki
16:36	[239] Multi-Messenger Signatures of Dark Matter in Blazar jets	DE MARCHI, Andrea Giovanni
16:54	[256] Legacy analysis of Milky Way dwarf spheroidal satellite galaxies: an update	CIRCIELLO, Antonio
17:12	[207] Primordial Black Hole evaporation signal searches with MAGIC	DO SOUTO, Elia
17:30	[31] Probing Dark Matter annihilation in the Galactic Centre with TRIDENT	WANG, Yingwei

Wednesday 2 September 2026

DM: DM5 : Cryogenic and Novel Detection Techniques - □□ Maizuru (14:00 - 15:30)

time	[id] title	presenter
14:00	[226] Illuminating the Invisible: COSINUS Commissioning at LNGS and remoTES Scale-up through PIRATES	BHARADWAJ, Mukund
14:18	[221] Demonstration of eV-Scale Energy Resolution with the remoTES Detector Design	SHERA, Kumrie
14:36	[214] Demonstration of new analysis tools developed in the COSINUS collaboration	GAPP, Maximilian
14:54	[40] Probing Photon–Magnetic Field Coupling via High-Resolution ^{241}Am Spectroscopy with a CeBr_3 Detector	AKBARI, Gunjanben
15:12	[73] The First Flight of the GAPS Antarctic Balloon Experiment	AOYAMA, Kazutaka

DM: DM6 : Direct Detection and Light/Boosted Dark Matter - □□ Maizuru (16:00 - 18:00)

time	[id] title	presenter
16:00	[200] The XENONnT experiment and its latest results	KOBAYASHI, Masatoshi
16:18	[155] Boosted electron-coupling dark matter search with the LUX-ZEPLIN (LZ) experiment	XU, Yongheng
16:36	[192] Boosted Dark Matter Directionality in Large Liquid Scintillator Detector	TSE, Samuel S. H.
16:54	[62] Light Dark Matter Detection at Torsion Balance	SHENG, Jie
17:12	[265] Solar Dark Matter below the Evaporation Limit: A Monte Carlo Study	XIA, Lingyu
17:30	[29] New physics searches at the NA62 experiment	CHANG, Xiafei

Thursday 3 September 2026

DM: DM7 : Dark Matter Theory and BSM Connections - ☐☐ Maizuru (14:00 - 15:30)

time	[id] title	presenter
14:00	[215] Sub-GeV Scalar Dark Matter in a Higgs-Mixed Dark Sector: From Neutrino Masses to Astrophysical Signals	MERKEL, Elina
14:18	[36] Boosted dark matter from semi-annihilation in a neutrino mass model	TOMA, Takashi
14:36	[305] Hidden Sector Dark Matter and the Galactic Center Gamma-Ray Excess	HOOPER, Dan
14:54	[238] Illuminating the Dark Sector: Confirming the 20 GeV Halo and Probing Its Mediator	STENHOUSE, Trinity
15:12	[95] Learning the Propagation of Cosmic Rays from Dark Matter with Neural Networks	RATHMANN, Lena