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The 8th international conference on particle physics and astrophysics

Thursday 29 October 2026

Astroparticle physics: Session 1 - Conference Hall 2 (09:00-11:00)

time	[id] title	presenter
09:00	[398] Two anomalous components of gamma-rays from GRB 221009A	DZHATDOEV, Timur
09:15	[34] Dynamics of nuclear reactions in the outer crust of transiently accreting neutron stars	ZEMLYAKOV, Nikita
09:30	[73] A FISSION FLASH IN THE INNER CRUST OF AN EXPLODING LOW-MASS NEUTRON STAR	Dr. IGNATOVSKIY, Anton
09:45	[151] Axion-like particle emission from type Ia supernovae	DAVYDOV, Daniil
10:00	[297] THE INFLUENCE OF RELATIVISTIC EFFECTS ON THE PARAMETERS OF NEUTRON STAR MODELS	SHMAKOVA, Alina
10:15	[72] Quantum Mechanical Numerical Model of XHe–Nucleus Interaction and Direct Dark Matter Searches	BIKBAEV, Timur
10:30	[202] Efficiency of photon production in a strongly magnetized medium	RUMYANTSEV, Dmitry
10:45	[199] Jet Activity in the Central Super Massive Black Hole of the Milky Way in 4th and 14th centuries and millennial periods of the climate change	Dr. PISKOUNOVA, Olga

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Astroparticle physics: Session 2 - Conference Hall 4 (11:30-13:30)

-Conveners: Anatoly Petrukhin

time	[id] title	presenter
11:30	[369] Recent results and status of the Baikal-GVD neutrino telescope	SAFRONOV, Grigory
11:45	[337] Preliminary Study on Prototype Strings for Baikal-HUNT	YOU, Xiaohao
12:00	[105] High energy Galactic neutrinos in a local PeVatron scenario	SOTIROV, Simon
12:15	[2] Neutrino clusters	DVORNIKOV, Maxim
12:30	[214] Searching for Strangelets and Macro-SQM Candidates from Neutron Stars, Binary Mergers, and Gamma-Ray Bursts: Multi-messenger Constraints and Direct-Detection Prospects	Dr. DAS, Chitta Ranjan
12:45	[287] The TRGB Luminosity as a Probe of the Axion–Electron Coupling: Constraints and Theoretical Uncertainties	KUDASHOV, Alexey TROITSKY, Sergey
13:00	[402] Cosmic rays from 1 GeV to 100 EeV due to star formation processes?	DZHATDOEV, Timur Mr. SEMENOV, Anatolii
13:15	[350] Dark-matter relay for ultra-high-energy cosmic rays	Mr. SEKRETOV, Mikhail

Astroparticle physics: Session 3 - Conference Hall 4 (17:00-19:30)

time	[id] title	presenter
17:00	[240] Recent results on ultra-high-energy cosmic rays from the Telescope Array experiment	KUDENKO, Maria
17:15	[175] UHECR mass composition from their anisotropy with Telescope Array and Pierre Auger	KUZNETSOV, Mikhail
17:30	[90] Limiting the number density of ultra-high-energy cosmic ray sources	ANASTASIA, Pavliuk
17:45	[224] Limitations of the Diffusion Approximation for GCR Transport	YUROVSKY, Vladimir
18:00	[258] APPLICATION OF UNIVERSALITY IN CASCADE DEVELOPMENT FOR THE STUDY OF HIGH-ENERGY COSMIC RAYS IN SPACE EXPERIMENTS	FEDOSSIMOVA, Anastassiya
18:15	[163] ANALYSIS OF THE ELECTRON-PHOTON AND HADRON COMPONENTS OF EXTENSIVE AIR SHOWERS ACCORDING TO THE DATA OF THE NEVOD-EAS AND PRISMA-32 INSTALLATIONS	YUZHAKOVA, Elena
18:30	[188] Analysis of energy deposit of EAS cores in the Cherenkov water calorimeter NEVOD	LISITSYN, Mikhail
18:45	[208] A mass-sensitive criterion for SPHERE-3: dependence on atmospheric and hadronic interaction models	IVANOV, Vladimir
19:00	[321] Probing High-Energy Photonuclear Interactions with Muons in Gamma-Ray Air Showers	MARTYNENKO, Nickolay
19:15	[345] EPOS.LHC-A: first results and impact on muon production in air showers	NIKOLAENKO, Roman