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The 8th international conference on particle physics and astrophysics

Wednesday 28 October 2026

High energy physics: experiment: Rare Decays and Dark-Sector Searches (09:15-11:00)

time	[id] title	presenter
09:15	[16] Measurement of form factors in the decay $K^+ \rightarrow \mu^+ \nu \gamma$ in the OKA experiment	KHUDYAKOV, Alexey
09:30	[52] Search for structure dependent component and chiral axial anomaly in $K^+ \rightarrow e^+ \nu \pi^0 \gamma$ decay	KULIK, Alexei
09:45	[239] Rare decays at CMS	POLIKARPOV, Sergey
10:00	[99] The rare events at fixed target experiments	Dr. KIRPICHNIKOV, Dmitry
10:15	[182] Recent Results and Plans of the NA64 Experiment	Prof. SAMOYLENKO, Vladimir
10:30	[210] Prospects of searches for new physics at TiMoFey	SERGEY, Demidov
10:45	[365] Cosmological Axion Sarov Haloscope (CASH): search for dark-matter axions beyond the quantum limit. Status and Preparation for the First Stage.	Dr. SATUNIN, Petr

High energy physics: experiment: Heavy-Ion Observables and Forward Detectors (15:50-17:20)

time	[id] title	presenter
15:50	[132] Study of the Strangeness Production at the NICA Complex	SUVARIEVA, Dilyana
16:05	[232] Simulation Study of Σ^0 Hyperons Production at the NICA-MPD Experiment	WANG, Yulin
16:20	[108] Unfolding methods for reconstructing the spectrum of spectator neutrons obtained by the HGND prototype in the BM@N experiment	ZUBANKOV, Aleksandr
16:35	[154] Simulation-Based Feasibility Study of Isospin Effects with the HGND at BM@N	SHABANOV, Arseniy
16:50	[184] Production of light nuclei in collisions of $^{124,136}\text{Xe}$ with CsI target	SVETLICHNYI, Aleksandr

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High energy physics: experiment: Spin and Hadronic Structure (16:20-18:50)

time	[id] title	presenter
16:20	[324] Hard proton knockout from ^{12}C in inverse kinematics: quasi-elastic scattering and short-range correlations	CHEREpanov, Stepan
16:35	[273] Spin effects in the reaction $np \rightarrow \Delta - \Delta^{++}$ at intermediate energies	Mr. JERUSALIMOV, Alexander
16:50	[340] Measurement of the tensor polarization of a deuterium gas target at VEPP-3	Dr. SHESTAKOV, Yuri
17:10	[114] Study of the strength and adiabatic passage of an integer resonance $\gamma G=3$ using Nuclotron internal beam polarimeter	VOLKOV, Ivan
17:25	[82] Quasi-Elastic $\pi\pi$ Processes at the SPD as a Probe of Spin Dependent Nucleon Scattering	DATTA, Amaresh
17:45	[298] The reactions $pd \rightarrow pd\pi\pi$ and $dd \rightarrow dd\pi\pi$ and dibaryon resonances	UZIkov, Yuriy
18:05	[165] Status report on the SPD Beam-Beam Counter (BBC) prototype for initial SPD runs at NICA	TISHEVSKY, Aleksey
18:20	[201] Performance study of the Beam-Beam Counters (BBC) for the dd - scattering at the Spin Physics Detector (SPD)	TEREKHIN, Arkadiy
18:35	[179] Dependence of the angular coefficients of J/ψ meson on the transverse momentum in pp collisions $\sqrt{s_{NN}} = 27$ GeV using the Pythia generator	Mr. BYKOVSKII, Mikhail

Friday 30 October 2026

High energy physics: experiment: Higgs, Electroweak and SM Tests (09:00-11:00)

time	[id] title	presenter
09:00	[55] Measurements of Higgs boson production via VBF at LHC and future colliders	Prof. TSUKERMAN, Ilya (Ilia)
09:15	[42] Searches of Higgs Boson decays into Dark Matter particles in the ATLAS and CMS experiments	POKIDOVA, Marina
09:30	[236] Measurements of ZZ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.	ZUBOV, Dmitriy
09:45	[288] Combination of anomalous quartic gauge coupling searches with full ATLAS Run II dataset	SEMUSHIN, Artur
10:00	[13] e+ e- data: no anomaly in the muon g-2?	ZENIN, Oleg
10:15	[109] Sensitivity of vGeN and RED-100 experiments to reactor-produced millicharged particles	Mr. SIRO, Robert Folkenberg
10:30	[116] A novel approach to Higgs boson mass reconstruction in four-jet final states from e+e- collisions in CEPC at $\sqrt{s}=240$ GeV	STARITSYNA, Anna
10:45	[186] Improvement of boson mass resolution by correction for final state radiation in the CEPC detector	POPOVA, Taisiia

High energy physics: experiment: Hadron Production, Spectroscopy and Flavour (11:30-13:30)

time	[id] title	presenter
11:30	[269] CP violation results from CMS	Dr. CHISTOV, Ruslan
11:45	[7] Multiparticle correlations in pp-collisions at $\sqrt{s} = 13$ TeV	CHINARYAN, Artashes
12:00	[93] Study of Omega_b baryon decays using Run-3 data from the CMS experiment at the LHC	KOZLOV, Nikita
12:15	[400] Study of the 2S-excited states of the B_c -meson	Mr. MOLUNOV, Vladimir
12:30	[166] Recent results on the studies of the e^+e^- annihilation into hadrons with the SND detector at VEPP-2000 collider	Mr. KUPICH, Andrey
12:45	[4] Cross-section measurement and dynamics study of the process $e^+e^- \rightarrow K^0_S K^{\pm} \pi^{\mp}$ with the CMD-3 detector at VEPP-2000 collider	Dr. LUKIN, Peter
13:00	[255] An amplitude analysis of $\psi(3686)$ radiative decays into the $\pi^0 \pi^0 \pi^0$ system	EGOROV, Prokhor
13:15	[69] Electron Identification Performance of the ALICE Experiment	HAMBARDZUMYAN, Yeghishe

High energy physics: experiment: Radiation Interactions and Detector Methods (17:00-19:35)

time	[id] title	presenter
17:00	[404] Developments of Geant4 physics models and user applications	Prof. IVANTCHENKO, Vladimir
17:20	[159] GEANT4 simulation of a pixelized GaAs transition radiation detector.	TIKHOMIROV, Vladimir

17:35	[263] Evolution of polarization correlations of annihilation photons during Compton scattering	MUSIN, Sultan
17:50	[347] Grid-based operator-splitting solvers for radiative transfer with sharply peaked sources	Mr. VOROBYEV, Grigory
18:05	[79] Intrinsic energy resolution of the liquid argon scintillation signal	LYCHAGINA, Olga
18:20	[354] Light yield correction in the 3D-segmented SuperFGD neutrino detector	Mr. PRUTYANOV, Viktor
18:35	[169] Preliminary calibration of SiPMs for the NICA-MPD electromagnetic calorimeter	BHATTACHARJEE, M.
18:50	[161] Status of the ECal/MPD calorimeter calibration with cosmic ray muons	Mr. MARTEMIANOV, Maxim
19:05	[103] Performance of the FHCaI@MPD	FINOGEEV, Dmitry
19:20	[215] Performance Study of the BM@N Forward Detectors in Xe+CsI Collisions at 3.8A GeV	KARPUSHKIN, Nikolay