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The 8th international conference on particle physics and astrophysics

Wednesday 28 October 2026

High energy physics: theory: Session 1 (09:00-11:00)

time	[id] title	presenter
09:00	[11] Development of a method for computing approximate solutions to linear evolution equations with application to the calculation of the heat kernel	GUBA, Vyacheslav
09:15	[66] Test of the Classicality Concept in Entangled States of Neutral Pseudoscalar Mesons with the Aid of Three-Time Wigner Inequalities	NIKITIN, Nikolai
09:30	[123] Cutting equation is strong-field QED	SELIVANOV, Yuriy
09:45	[243] Generalized stress-tensor form factors in $N = 4$ SYM and dual conformal symmetry	VOROPAEVA, Ekaterina
10:00	[282] Monopole dominance under influence of external magnetic fields	HASEGAWA, Masayasu
10:15	[334] Inhomogeneous phases in phase diagram of various models	ZHOKHOV, Roman
10:30	[349] Fermion AMM Contribution to Photon Polarization Operator in External Electromagnetic Field	PARKHOMENKO, Alexander
10:45	[381] Vogel Universality in 2D Yang–Mills Theory	SHAROV, Mikhail

Thursday 29 October 2026

High energy physics: theory: Session 2 (09:30-11:00)

-Conveners: Anatoly Kotikov		
time	[id] title	presenter
09:30	[3] Gluon nature of multiparticle production	KOKOULINA, Elena
09:45	[168] Baryon photon searches. VMD and mixing	MASLAKOV, Ivan
10:00	[189] Brief review of using exact results of axial anomaly for studying $\gamma\gamma^{(*)}$ and γZ^0 processes	Mr. KHLEBTSOV, Sergey
10:15	[198] Fractal dimensions of nucleon, nuclei and pion	Prof. TOKAREV, Mikhail
10:30	[203] α_s from hadron multiplicities	KOTIKOV, Anatoly
10:45	[205] New Solutions of RG Equations for α_s and y_{top}	FEDORUK, Artur

Friday 30 October 2026

High energy physics: theory: Session 3 (09:15-11:00)

-Conveners: Sergey Godunov

time	[id] title	presenter
09:30	[81] Spectroscopy of doubly bottom tetraquarks	Ms. SAVCHENKO, Elena
09:45	[164] Nonleptonic decays of Υ mesons	Mr. SUKHANOV, Ivan
10:00	[135] Correction to CP -asymmetry in $\Upsilon(4S)$ decays due to the admixture of $B^0 \bar{B}^0$ in a CP -even state	PANCHENKO, Natalia
10:15	[57] Rare four-leptonic decays of charged B -mesons with three charged leptons in the final state	OSTAPOVICH, Dmitrii
10:30	[162] Quantum field-theoretic framework for neutrino decoherence	STANKEVICH, Konstantin
10:45	[360] Open quantum systems approach in quantum field theory	Mr. MOTOVILOV, Vladislav

High energy physics: theory: Session 4 (11:30-13:30)

-Conveners: Anatoly Kotikov

time	[id] title	presenter
11:30	[126] Double longitudinal spin asymmetry of direct photons in collisions of longitudinally polarized protons in the NLO approximation taking into account electromagnetic corrections	KRUASHVILI, Dmitry
11:45	[128] T-even Angular Coefficients in the Drell–Yan Process with γ/Z^0 Interference	ANIKIN, Iurii
12:00	[155] Leptonic Angular Coefficients in J/ψ Production within the Parton Reggeization Approach	SHILYAEV, Kirill
12:15	[227] Angular distributions of D -meson in the $D \bar{D}$ -pair production at high energy	ALIMOV, Lev
12:30	[371] The double longitudinal-spin asymmetry in the neutral pion production	BONDAREV, Vladislav
12:45	[254] Heavy neutrinos in $e^+e^- \rightarrow W^+W^-$: exact and linearized mixing	GODUNOV, Sergey
13:00	[131] Heavy neutrinos in $e^+e^- \rightarrow W^+W^-$: future colliders constraints	CHACHAVA, Georgy
13:15	[284] Indirect Searches for Heavy Z' Bosons at ILC, CLIC, and MuC	SINEGRIBOV, Dmitry

High energy physics: theory: Session 5 (17:00-19:00)

-Conveners: Sergey Godunov

time	[id] title	presenter
17:00	[80] On α_s extraction from the e^+e^- to hadrons data below and above thresholds of charm quark production	KATAEV, Andrei
17:15	[268] Code for simulations of light nucleus-nucleus elastic interactions	Dr. GALOYAN, Aida
17:30	[112] Excited states with high orbital angular momentum of the muon in muonic-electronic helium atoms	POMETKO, Darya
17:45	[122] Relativistic corrections to leptonium production in Z boson decay	MARTYNENKO, Fedor

18:00	[141] Longitudinal beta-decay vector coupling of nucleons and nuclear isospin doublets	LEVASHKO, Nikita
18:15	[211] Dark photon production in pion-proton collisions: bremsstrahlung vs Drell–Yan mechanisms	KRIUKOVA, Ekaterina
18:30	[125] Radiative corrections of order $\alpha(Z\alpha)^6$ in the energy spectrum of muonic hydrogen	Mr. KOCHETKOV, Nikita
18:45	[330] P, T-violating effects in interactions with light particles in molecules	ZAKHAROVA, Anna