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The 8th international conference on particle physics and astrophysics

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Gravitation and cosmology: PBH, their clusters and gravitational waves from them - Conference Hall 5 (09:10-11:00)

-Conveners: Konstantin Belotsky

time	[id] title	presenter
09:10	[196] The possibility of observing primordial black holes with hydrogen subordinate lines	Dr. EROSHENKO, Yury
09:30	[177] Primordial black holes in chaotic in°ation with the bumped potential (“trampoline”)	Mr. MELIKHOV, Alexander
09:45	[10] Dynamical evolution of primordial black hole clusters with lognormal mass distribution	SAVCHENKO, Yana
10:00	[204] Gravitational-wave signatures of primordial black hole clustering	STASENKO, Viktor
10:15	[229] Direct surface-based simulation of primordial black hole clusters formation via collapse of non-spherical domain walls	Mr. LETYAGIN, Ivan
10:30	[92] Impact of primordial plasma on the collapse of bubble walls and primordial black hole formation	FILIPPOV, Danila
10:45	[362] Investigation of gravitational wave background from the domain walls in the early universe using pulsar timing arrays	CHUGAINOV, Alexey

Gravitation and cosmology: Cosmological scenarios in modified gravity - Conference Hall 5 (16:20-18:40)

-Conveners: Konstantin Belotsky

time	[id] title	presenter
16:20	[280] Problems of vacuum energy and their possible solution	Prof. ARBUZOVA, Elena
16:40	[113] The predictions of inflationary models modified by a non-minimal coupling between the scalar field and curvature	DENTSEL, Evgenii
16:55	[313] More accurate slow-roll approximations for inflation in scalar-tensor theories	SKUGOREVA, Maria
17:10	[292] Stable gravity based on Ricci, Gauss-Bonnet, Weyl scalars for cosmology and astrophysics	POKROVSKY, Yury
17:25	[343] Three-Point Correlation Functions and Primordial Non-Gaussianity in Horndeski Gravity beyond Leading Order	STEPANOV, Maxim
17:40	[149] Stability of monopole perturbations in Horndeski theory on a dynamical spherically symmetric background	KISELEV, Kirill
17:55	[150] Inhomogeneous Cosmological Bounce in Cubic Horndeski Theory	BAKHLOVA, Marina
18:10	[145] Dynamical attractors in early Universe models: Bounce and Genesis scenarios	SHAROFEEV, Andrey
18:25	[373] Perturbative unitarity and Goldstone effective field theory in modified Genesis	EVAROVSKAYA, Zlata

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Gravitation and cosmology: Quantum and vacuum effects, astrophysical tests, and alternative models - Conference Hall 4 (09:15-11:00)

-Conveners: Sergey Bolokhov

time	[id] title	presenter
09:15	[261] Particle creation in the Early Universe: comparing canonical and path integral approaches	SHESTAKOVA, Tatyana
09:30	[294] Vacuum restructuring and scalar particle production in a closed isotropic universe	AYALA OÑA, Roger Ivan SHESTAKOVA, Tatyana
09:45	[74] Photon sphere for a dyonic black hole corresponding to A_2 Toda chain	Dr. IVASHCHUK, Vladimir
10:00	[181] Quasinormal modes in the field of a dyon-like dilatonic black hole corresponding to $A_1 + A_1$ Toda chain	Dr. IVASHCHUK, Vladimir
10:15	[380] Non-Conserved Gravity: A Thermodynamic Origin of Cosmic Acceleration	Mr. FAZLOLLAHI, Seyed Hamidreza
10:30	[45] • Tunneling into the Past: Quantum Creation of Time Machines	KURYAN, Victor
10:45	[173] Astronomical Tests of Spatial Anisotropy of Gravity: Lunar Laser Ranging and Trans-Neptunian Object Anomalies in the Context of the Spin-Density Model	KUPREEV, Sergei

Gravitation and cosmology: Wormholes, compact objects, brane structures, and dark matter - Conference Hall 1 (11:30-13:30)

-Conveners: Vladimir Ivashchuk

time	[id] title	presenter
11:30	[49] Latest results from DES Y6	Dr. RODRÍGUEZ MONROY, Martín
11:50	[304] Exceptional wormholes in scalar-tensor gravity	BRONNIKOV, Kirill
12:05	[33] Search for traversable wormholes using astrophysical methods	SAZHINA, Olga Mr. MOISEEV, Iurii
12:20	[48] Two-brane structure and its manifestation	Mr. PROKOPEV, Konstantin
12:35	[271] Towards N-body Modelling of Self-Interacting Dark Matter Structures with GIZMO	KALASHNIKOV, Dmitry
12:50	[148] Causal Space-Time Structure and non-Hausdorff Extension of Schwarzschild Black Hole Interior	Ms. AYNBUND, Asya
13:05	[429] Dark Energy models	DOKUCHAEV, Vyacheslav