Time-table

24 November

Morning Session 09:00 – 13:20

Chairman: ***Roman Ryutin*** (NRC "Kurchatov Institute" - IHEP)

Vladimir Petrov (NRC "Kurchatov institute" - IHEP, Protvino, Russia) **OFFLINE 9:00 - 9:10**
Introductory greeting

Elena Arbuzova (Dubna State University and Novosibirsk State University, Russia) **ONLINE 9:10 - 9:55**
Ultra-High-Energy Cosmic Rays from Superheavy Dark Matter in R^2-Modified Gravity

Goutam Manna (Prabhat Kumar College, Contai, India) **ONLINE 9:55 - 10:40**
K-essence Cosmology: Bridging Emergent Geometry, Gravitational-Wave Physics, and Precision Cosmology

Sergei Odintsov (ICREA, Barcelona, Spain) **ONLINE 10:40 - 11:05**
The correspondence of generalized entropic cosmology with F(T) and F(Q) gravity

Coffee break 11:05-11:25

Chairman: ***Roman Ryutin*** (NRC "Kurchatov Institute" - IHEP)

Alessandro Pesci (INFN, Bologna, Italy) **ONLINE 11:25-12:10**
Gravity-thermodynamics connection: relevance, and possible experimental signatures

Vladimir Petrov (NRC "Kurchatov institute" - IHEP, Protvino, Russia) **OFFLINE 12:10-12:35**
Simulation of dark matter in the RS-type model

Nikolai Krasnikov (INR RAS, Moscow, Russia) **OFFLINE 12:35-13:20**
Light Dark Matter (NA64 Coll.)

Lunch 13:20-14:45

Afternoon Session 14:45-19:30

Chairman: ***Vladimir Soloviev*** (NRC "Kurchatov Institute" - IHEP)

Alexander Zakharov (ITEP, Moscow & BLTP JINR, Dubna, Russia) **ONLINE 14:45-15:30**
Astronomical evidence of black holes

Mikhail Katanaev (Steklov Math. Inst., Moscow and Kazan State University, Russia) **ONLINE 15:30-16:15**
Formation of a black hole and cosmologies in general relativity with a scalar field

Coffee break 16:15-16:30

Chairman: ***Vladimir Soloviev*** (NRC "Kurchatov Institute" - IHEP)

Alexander Dolgov (Novosibirsk State University, Russia) **ONLINE 16:30-17:15**
Cosmological conundrums: gravity modification or primordial black holes?

Wu Jingxu (Lomonosov MSU, Moscow, Russia) **ONLINE 17:15-18:00**
Multi-Scale Dynamics of Primordial Black Holes and New Physics in the Early Universe

Mikhail Volkov (Tour University, France) **ONLINE 18:00-18:45**
Black holes with electroweak hair

Jaime Redondo Yuste (Princeton University, USA) **ONLINE 18:45-19:30**
The Future of Black Hole Spectroscopy

25 November

Morning Session 9:00-13:05

Chairman: ***Yurii Kharlov*** (NRC "Kurchatov Institute" - IHEP)

Yuri Chugreev (Lomonosov MSU, Moscow, Russia) **ONLINE 9:00- 9:45**
Development of a Cosmological Model within the Relativistic Theory of Gravity

Andrei Arbuzov (JINR, Dubna, Russia) **ONLINE 9:45-10:30**
Vacuum polarization effects during the reheating epoch

Coffee break 10:30-10:50

Chairman: ***Yurii Kharlov*** (NRC "Kurchatov Institute" - IHEP)

Maxim Khlopov (Virtual Institute of Astroparticle physics, France) **ONLINE 10:50-11:35**
Peculiar features of Dark Universe

Yuri Zinoviev (NRC "Kurchatov institute" - IHEP, Protvino, Russia) **OFFLINE 11:35-12:20**
Towards a supersymmetric extension of bigravity

Nikita Zaigraev (BLTP JINR, Dubna/MIPT, Dolgoprudnyi, Russia) **OFFLINE 12:20-13:05**
N=2 Higher-Spin Theories and Their Cubic Interactions

Lunch 13:05 -14:30

Afternoon Session 14:30-19:30

Chairman: ***Oleg Zenin*** (NRC "Kurchatov Institute" - IHEP)

Dmitry Gorbunov (INR RAS, Moscow, Russia) **OFFLINE 14:30-15:15**
TBA ***(…topics: Dark matter, Dark energy, Cosmology …)***

Cai Yifu (UTSC, China) **ONLINE 15:15-16:00**
Theoretical perspectives on the late-time cosmic acceleration in light of latest cosmological observations

Coffee break 16:00-16:15

Chairman: ***Oleg Zenin*** (NRC "Kurchatov Institute" - IHEP)

Cristhian Garcia Quintero (Center for Astrophysics Harvard-Smithsonian, USA) **ONLINE 16:15-17:00**
Testing gravity and dark energy with the Dark Energy Spectroscopic Instrument

Julio Cesar Fabris (Universidade Federal do Espírito Santo, Brasil) **ONLINE 17:00-17:45**
The Cosmological Constant Problem and Unimodular Gravity

Hermano Velten (Universidade Federal de Ouro Preto, Brasil) **ONLINE 17:45-18:30**
Nonconservative theories of gravity

General discussion 18:30-19:30

Discussion leader: ***Dmitry Gorbunov (INR RAS, Moscow)***

26 November

Morning Session 9:00-12:15

Chairman: ***Anton Godizov*** (NRC "Kurchatov Institute" - IHEP)

Valery Mitrofanov (Lomonosov MSU, Moscow, Russia) **OFFLINE 9:00- 9:45**
Ground-based interferometric gravitational wave detectors: tests of General Relativity

Sergey Vyatchanin (Lomonosov MSU, Moscow, Russia) **OFFLINE 9:45-10:30**
Quantum Measurements in Gravitational Wave Antennas

Azadeh Maleknejad (Swansea University, UK) **ONLINE 10:30-11:15**
New Frontiers in Gravitational-Wave Detection

Coffee break 11:15-11:30

Chairman: ***Anton Godizov*** (NRC "Kurchatov Institute" - IHEP)

Debashis Gangopadhyay (Sister Nivedita University, Kolkata, India) **ONLINE 11:30-12:15**
Geometry, Raychaudhuri Equations and Gravitational Waves

Poster session (questions) 12:15-13:00

Xiatong Li (Lomonosov MSU, Moscow, Russia)
Topological Microstates and Horizon Response of Rotating Black Holes in Scalar-Tensor Gravity

Liangyu Luo (FMSMU, Moscow, Russia)
Localized Dissipative Dynamics and Gravitational-Wave Signatures of Extreme-Mass-Ratio Inspirals in Kerr Spacetime

Zhengnan Zhang (Lomonosov MSU, Moscow, Russia)
Time-dependent polarimetric response and identifiability of localized energy deposition in irradiated Kerr plasmas

Shide Feng (Lomonosov MSU, Moscow, Russia)
Microscopic Scattering and Orbital Memory Dynamics of Threshold-Excited Dark Matter

Junyi Zhang (Lomonosov MSU, Moscow, Russia)
Mass Dependence and Finite Observation Window Effects in Eccentric Equatorial EMRI Waveforms

Lunch 13:00-14:30

Afternoon Session 14:30-19:25

Chairman: ***TBA*** **(**NRC "Kurchatov Institute" - IHEP**)**

Carlo Rovelli (Marseille, CPT and Aix-Marseille University, France) **ONLINE 14:30-15:15**
Remnants

Eduardo Guendelman (Ben Gurion U. of Negev, Israel) **ONLINE 15:15-16:00**
Dynamical Tension Strings with SSB of target space scale invariance, Dark Energy and Dark Matter

Djordje Minic (Virginia Polytechnic Institute & State University, USA) **ONLINE 16:00-16:45**
Quantum Spacetime, Quantum Gravity and Gravitized Quantum Theory

Coffee break 16:45-17:00

Vladimir Lipunov (Lomonosov MSU, Moscow, Russia) **ONLINE 17:00-17:45**
MASTER Global Network: Gravitational Waves, Neutron Star Collisions, and the Origin of Heavy Elements

Pablo Pais Hirigoyen (Universidad Austral de Chile (UACh), Chile) **ONLINE 17:45-18:30**
Hamiltonian Structure and Surface Charges in Transgression Theories and Their Relation to Soloviev Brackets

Vladimir Soloviev (NRC "Kurchatov institute" - IHEP, Protvino, Russia) **OFFLINE 18:30-19:15**
Surface Integrals in Parametrized Field Theories

Vladimir Petrov (NRC "Kurchatov institute" - IHEP, Protvino, Russia**)** **OFFLINE 19:15-19:25**
Closing summary

Farewell drink 19:30-21:30