



# International Conference on Quantum Field Theory, High-Energy Physics, and Cosmology

## Monday, 18 July 2022

**Dark Matter and Cosmology: Baushev A. - Blokhintsev Hall (11:50 - 12:50)**

time	[id] title	presenter
11:50	[23] Weyl Cosmology and Particle Production	BEREZIN, Victor
12:20	[59] Anti-de Sitter neutron stars in the theory of gravity with nonminimal derivative coupling	KASHARGIN, Pavel SUSHKOV, Sergey

## Tuesday, 19 July 2022

### **Dark Matter and Cosmology: Baushev A. - Blokhintsev Hall (11:50 - 12:50)**

time	[id] title	presenter
11:50	[118] Before inflation	STAROBINSKY, Alexei
12:20	[38] The crucial importance of black hole images for cosmology (online)	DOKUCHAEV, Vyacheslav

### **Dark Matter and Cosmology: Postnov K. - Blokhintsev Hall (14:00 - 16:00)**

time	[id] title	presenter
14:00	[132] Quantum explosions of black holes (online)	VOLOVICH, Igor
14:30	[135] The Galactic Center and M87*: observations and their interpretations	ZAKHAROV, Alexander
15:00	[129] One parametric extensions of the Starobinsky inflationary model	VERNOV, Sergey
15:20	[124] Multidimensional cosmology in Gauss-Bonnet gravity	TOPORENSKY, Alexey
15:40	[56] Spherically symmetric black holes and physical vacuum	IVANOVA, Inna

### **Dark Matter and Cosmology: Zakharov A. - Blokhintsev Hall (16:30 - 18:30)**

time	[id] title	presenter
16:30	[27] Particle shadows of black holes and new characteristic surfaces	GALTSOV, Dmitry BOGUSH, Igor
16:50	[125] Bianchi I cosmological solutions in teleparallel gravity.	TRETYAKOV, Petr
17:10	[98] Spiral Structure of Galaxies in Generalized Gravitational Theories	PRONIN, Petr
17:30	[94] Einstein-Gauss-Bonnet inflation	POZDEEVA, Ekaterina
17:50	[69] Gravitational waves from first-order electroweak phase transition in a model with light sgoldstinos	KRIUKOVA, Ekaterina
18:10	[138] Romancing the Hubble: State of the "H0 Problem"	NEDELKO, Nikita

**Wednesday, 20 July 2022****Dark Matter and Cosmology: Pukhov A. - Blokhintsev Hall (11:50 - 12:50)**

time	[id] title	presenter
11:50	[21] The Hubble stream near a galaxy group: the exact analytical solution for the spherically-symmetric case and the group mass determination	BAUSHEV, Anton
12:20	[24] Can the multicomponent dark matter be visible due to inner luminescence? (online)	BEYLIN, Vitaly

**Dark Matter and Cosmology: Smolyakov M. - Blokhintsev Hall (14:00 - 16:00)**

time	[id] title	presenter
14:00	[63] Probing Light Dark Matter with NA64	KIRPICHNIKOV, Dmitry KRASNIKOV, Nikolai
14:30	[73] Solar mass black holes from neutron stars and bosonic dark matter	LEVKOV, Dmitry
15:00	[87] Аналитический анализ возникновения core или cusp распределений материи в галактиках	KAPUSTIN, A.D. PASTON, Sergey
15:30	[113] Manifestation of dark matter axions in spin effects in storage rings	SILENKO, Alexander

**Dark Matter and Cosmology: Levkov D. - Blokhintsev Hall (16:40 - 18:00)**

time	[id] title	presenter
16:40	[99] micrOmegas, a package for calculation of Dark Matter observables	PUKHOV, Alexander
17:00	[136] Bounds to dark axion portal	ZHEVLAKOV, Alexey
17:20	[57] Millicharged particles at Super Charm-Tau Factory	KALASHNIKOV, Dmitry
17:40	[126] Prospects for Dark Matter Search at the Super c-tau Factory	TRYKOV, Sergei

# Thursday, 21 July 2022

## Dark Matter and Cosmology: Davydov E. - Blokhintsev Hall (16:30 - 18:10)

time	[id] title	presenter
16:30	[88] Self-tuning inflation	PETRIAKOVA, Polina
16:50	[119] Null cosmic strings and space-time content	TAINOV, Vladislav
17:10	[42] Polarization of gravitational waves in hybrid metric-Palatini $f(R)$ -gravity	DYADINA, Polina
17:30	[145] Generating cosmological perturbations at Horndeski bounce	RUBAKOV, Valery AGEEVA, Yulia
17:50	[18] Inflation in scalar-tensor theory with nonminimal kinetic coupling	AVDEEV, Nikita