



# Table of contents

Tuesday 03 October 2017 .....	1
-------------------------------	---

# The 3rd international conference on particle physics and astrophysics

## Tuesday 03 October 2017

### Gravitation and Cosmology - 2 - Moskvorechye-1 hall (15:45-18:15)

-Conveners: Sergey Rubin

time	[id] title	presenter
15:45	[193] The black hole at the Galactic Center: observations and models	Prof. ZAKHAROV, Alexander
16:00	[20] Quantum vacuum and virtual gravitational dipoles: a common explanation of dark matter, dark energy and matter-antimatter asymmetry in the Universe?	HAJDUKOVIC, Dragan
16:15	[25] Is the Wheeler – DeWitt equation more fundamental than the Schrödinger equation?	Dr. SHESTAKOVA, Tatyana
16:30	[49] High temperature limit of the Standard Model due to gauge group contraction	Prof. GROMOV, Nikolai
16:45	[28] Cosmological and astrophysical magnetic fields in turbulent matter	Dr. DVORNIKOV, Maxim
17:00	[23] Supergravity contributions in non-minimally coupled inflationary models	Mr. DAS, Kumar
17:15	[64] Evolution of the Universe caused by the averaged potential of the quantum scalar field	Prof. BELOKUROV, Vladimir
17:30	[120] Relativistic anisotropic stars with the polytropic equation of state in general relativity	ISAYEV, Alexander
17:45	[200] Detection of tensor and scalar gravitational waves by means of interferometric antennas	Ms. FESIK, Liudmila
18:00	[206] Neutrino asymmetry in a hot plasma of early Universe	Dr. SEMIKOZ, Victor