



# 6th International Conference on New Frontiers in Physics (ICNFP2017)

## Saturday, 19 August 2017

**Special session on Astro-Cosmo-Gravity - Room 3 (15:00 - 16:00)**

-Conveners: Kyrill Bugaev

time	[id] title	presenter
15:00	[1263] Neutron stars equation of state consistent with high-energy nuclear physics data	Dr SAGUN, Violetta
15:30	[1135] Strongly interacting matter in neutron stars	Prof. GEZERLIS, Alex

# Monday, 21 August 2017

## Special session on Astro-Cosmo-Gravity - Room 6 (11:00 - 13:30)

-Conveners: D. Blaschke

time	[id] title	presenter
11:00	[962] Cosmological bounce and Genesis beyond Horndeski	KOLEVATOV, Roman
11:30	[1289] On perturbations in Horndeski theories	Ms VOLKOVA, Victoria
12:00	[1467] Fermions from Oscillons	Dr SAFFIN, Paul
12:30	[1415] Self-consistent calculations of supernova matter	MISHUSTIN, Igor
13:00	[1081] Observation of ultra-high energy cosmic rays with the Telescope Array experiment	Dr TAKEISHI, Ryuji

## Special session on Astro-Cosmo-Gravity - Room 6 (15:00 - 16:00)

-Conveners: David Blaschke

time	[id] title	presenter
15:00	[1334] Observationally constraining gravitational wave emission from short gamma-ray burst remnants	GLAMPEDAKIS, Kostas
15:30	[1095] Relativity with a preferred frame. Astrophysical and cosmological implications	BURDE, Georgy

## Special session on Astro-Cosmo-Gravity - Room 6 (16:30 - 17:30)

-Conveners: David Blaschke

time	[id] title	presenter
16:30	[1030] Search for rare processes with DAMA experimental set-ups	CAPPELLA, Fabio

## Tuesday, 22 August 2017

### Special session on Astro-Cosmo-Gravity - Room 6 (11:00 - 13:30)

-Conveners: David Blaschke

time	[id] title	presenter
11:00	[970] DAMA/LIBRA results and perspectives	CARACCILO, Vincenzo
11:30	[1402] Pedal coordinate, dark Kepler and other force problems	BLASCHKE, Petr
12:00	[1100] Direct dark matter search with ultra-low thresholds in the CRESST-III experiment	STAHLBERG, Martin
12:30	[1277] Anisotropy of dark matter velocity distribution measured with directional detection	Dr NAGAO, Keiko
13:00	[1050] Viable production mechanism of keV sterile neutrino with large mixing angle	CHUDAYKIN, Anton

### Special session on Astro-Cosmo-Gravity - Room 6 (13:00 - 17:00)

-Conveners: D. Blaschke

time	[id] title	presenter
15:00	[1439] On the Butterfly Effect in 3D Gravity	M. QAEMMAQAMI, Mohammad
16:30	[1071] Exotic events in cosmic ray experiments at super high energies: a manifestation of New Physics?	Dr BORISOV, Alexander

# Monday, 28 August 2017

## Special session on Astro-Cosmo-Gravity - Room 5 (15:00 - 16:00)

-Conveners: Igor Mishustin

time	[id]	title	presenter
15:30	[1067]	Pontryagin trace anomaly	DOMINIS PRESTER, Predrag

## Tuesday, 29 August 2017

### Special session on Astro-Cosmo-Gravity - Room 6 (08:30 - 10:30)

-Conveners: Igor Mishustin

time	[id] title	presenter
09:00	[1386] Cooling of Compact High Mass Twin Stars	Dr GRIGORIAN, Hovik

### Special session on Astro-Cosmo-Gravity - Room 1 (Auditorium, Main Session) (11:00 - 13:30)

-Conveners: Igor Mishustin

time	[id] title	presenter
11:00	[1187] Hot and dense nuclear matter in astrophysics	Dr CONSTANTINOU, Constantinos
11:30	[1191] Domain Walls in the Early Universe and Generation of Matter and Antimatter Domains	GODUNOV, Sergey