

All days

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Wed 30/9

08:00

Registration

09:00

2nd floor Conference Room, Physics Department, YSU, Alex Manoogian str. 1

08:30 - 09:30

Addresses by the YSU Rector, Dean of Physics Faculty and Organizers*2nd Floor Conference Room, Physics Department*

09:30 - 09:40

Structure of hybrid stars with the Field Correlator Method*Fiorella BURGIO*

10:00

2nd floor Conference Room, Phys. Dep., YSU

09:40 - 10:20

A neutron star on a computer: recent developments*Jerome NOVAK**2nd floor Conference Room, Phys. Dep., YSU*

10:20 - 11:00

11:00

Coffee Break*Conference Hall*

11:00 - 11:20

Towards a unified equation of state for quark/hadron matter*David BLASCHKE**2nd floor Conference Room, Phys. Dep., YSU*

11:20 - 12:00

12:00

Cosmology with nonminimal kinetic coupling and a Higgs potential*Prof. S. V. SUSHKOV**2nd floor Conference Room, Phys. Dep., YSU*

12:00 - 12:39

Lunch break and relocation to Guesthouse

13:00

Yerevan, Armenia

12:40 - 14:00

14:00

	Crystalline chiral condensates as a component of compact stars <i>Main Hall, Guesthouse</i> 14:00 - 14:40	Inflationary evolution of the Universe within the framework of the modified JBD theory <i>Small Hall, Guesthouse</i> 14:00 - 14:40
15:00	Inhomogeneous chiral symmetry breaking in isospin-asymmetric matter <i>Main Hall, Guesthouse</i> 14:40 - 15:20	Localized oscillating configurations formed by real scalar fields <i>Small Hall, Guesthouse</i> 14:41 - 15:20
	Coffee Break <i>Cafe Guesthouse</i> 15:20 - 15:50	
16:00	Universal symmetry energy contribution to the neutron star equation of state <i>Main Hall, Guesthouse</i> 15:50 - 16:30	Quantum effects in anti-de Sitter spacetime for electromagnetic vacuum state <i>Small Hall, Guesthouse</i> 15:51 - 16:30
	A new RMF based quark-nuclear matter EoS <i>Main Hall, Guesthouse</i> 16:30 - 17:00	Noether and Lie symmetries of the field equations and their invariant solutions in Hybrid Gravity <i>Mrs. Aneta WOJNAR</i>
17:00	A self-consistent study of magnetic field effects on hybrid stars <i>Main Hall, Guesthouse</i> 17:00 - 17:30	Comology Discussion <i>Small Hall, Guest House</i> 17:01 - 17:30
18:00	Free time 17:30 - 18:30	
19:00	Welcome party 18:30 - 20:30	
20:00	<i>Yerevan, Armenia</i>	

Thu 1/10

09:00

	Atmospheres and radiating surfaces of neutron stars with strong magnetic fields		<i>Alexander POTEKHIN</i>
	<i>Main Hall, Guesthouse</i>		09:00 - 09:40
10:00	Unified treatment of sub-saturation stellar matter at zero and finite temperature		<i>Adriana RADUTA</i>
	<i>Main Hall, Guesthouse</i>		09:40 - 10:20
	Coffee break		
	<i>Cafe Guesthouse</i>		10:20 - 10:50
11:00	Hyperons and Neutron Stars		<i>Isaac VIDANA</i>
	<i>Main Hall, Guesthouse</i>		10:50 - 11:30
12:00	From macro to micro: universal properties of neutron stars		<i>Andrea MASELLI</i>
	<i>Main Hall, Guesthouse</i>		11:30 - 12:10
	Short-range correlations in nuclei and compact stars		<i>Prof. Eliezer PIASETZKY</i>
	<i>Yerevan, Armenia</i>		12:10 - 12:50
13:00	Lunch break		
14:00	<i>Yerevan, Armenia</i>		12:50 - 14:15
	Role of r-modes in evolution of recycled neutron stars	<i>Andrey CHUGUNOV</i>	On the Kerr solution <i>Prof. Roland AVAGYAN</i>
	<i>Main Hall, Guesthouse</i>	14:15 - 14:55	<i>Small Hall, Guesthouse</i> 14:16 - 14:54
15:00	A new family of compact objects: Dark Compact Planets	<i>Laura TOLOS</i>	Late stage of the Universe evolution taking into account the vacuum effects <i>Anna KOTANJYAN</i>
	<i>Main Hall, Guesthouse</i>	14:55 - 15:35	<i>Small Hall, Guesthouse</i> 14:56 - 15:34
	Rest		
	15:35 - 16:00		
16:00	Excursion to Garni-Geghard complex		
17:00			

18:00	Yerevan, Armenia	16:00 - 19:00
19:00		

Fri 2/10

09:00	<p>Constraint on the internal structure of neutron stars from pulsar glitches <i>Dr. Nicolas CHAMEL</i></p> <p><i>Main Hall, Guesthouse</i> 09:00 - 09:40</p>
10:00	<p>Magnetic field of strange stars with rotating superfluid core <i>Prof. David SEDRAKIAN et al.</i></p> <p><i>Main Hall, Guesthouse</i> 09:40 - 10:20</p>
	<p>Coffee break</p> <p><i>Cafe Guesthouse</i> 10:20 - 10:50</p>
11:00	<p>Purely phenomenological equation of state for nuclear matter <i>Jérôme MARGUERON</i></p> <p><i>Main Hall, Guesthouse</i> 10:50 - 11:30</p>
12:00	<p>Vacuum currents in braneworlds <i>Prof. Aram SAHARIAN</i></p> <p><i>Main Hall, Guesthouse</i> 11:30 - 12:10</p>
13:00	<p>Lunch break</p>

Sat 3/10

09:00	Scalar-isovector channel of the nucleon-nucleon interaction in the RMF theory and massive compact stars	<i>Dr. Grigor ALAVERDYAN</i>
	<i>Main Hall, Guesthouse</i>	09:00 - 09:40
10:00	Pulsars with more exactly measured masses as possible candidates of strange stars	<i>Prof. Yuri VARTANYAN</i>
	<i>Main Hall, Guesthouse</i>	09:40 - 10:20
	Coffee break	
	<i>Main Hall, Guesthouse</i>	10:20 - 10:50
11:00	Wakefield generation by radiation beams of millisecond pulsars	<i>Prof. Zaza OSMANOV</i>
	<i>Main Hall, Guesthouse</i>	10:50 - 11:30
12:00	Mass-radius relation of white and strange stars	<i>Prof. Gevorg HAJYAN</i>
	<i>Main Hall, Guesthouse</i>	11:30 - 12:10
	Closing ceremony	
	<i>Yerevan, Armenia</i>	12:10 - 12:30