

Neutron Stars in the GW Era

THURSDAY 14.11.19

09:00 - 09:45 N. Stergioulas *Equation of State Constraints through Binary Neutron Star Mergers*

09:45 - 10:15 A. Suvorov *Constraints on post-Newtonian parameters from (no) monopolar gravitational waves from pulsars*

10:15 - 10:40 A. Chorozidou *Relativistic equations of state for hot matter and neutron star dynamics*

10:40 - 11:10 COFFE BREAK

11:10 - 11:55 S. Yazadjiev *Spontaneous scalarization in the extended scalar-tensor theories*

11:55 - 12:25 L.G. Collodel *Rotating Boson Stars in a Comoving Frame*

12:30 - 14:30 LUNCH BREAK

14:30 - 15:15 Ch. Moustakidis *Speed of sound constraints on static and rapidly rotating neutron stars*

15:15 - 15:45 C. Krüger *Fast Rotating Relativistic Stars: Spectra and Stability without Approximation*

15:45 - 16:05 A. Kanakis Pegios *"Constraints on neutron stars equation of state from GW170817 event"*

16:05 - 16:35 COFFE BREAK

16:35 - 17:05 G. Gylchev, *Gravitational lensing by ultracompact neutron stars with photon spheres*

17:05 - 17:30 P. Koliogiannis *Effects on the EOS through the uniform rotation of neutron stars*

DINNER

FRIDAY 15.1.19

09:00 - 09:45 **D. Doneva** *Neutron stars in modified theories of gravity - models, astrophysical implications and GW emission*

09:45 - 10:15 **K. Destounis** *Strong cosmic censorship with a positive cosmological constant*

10:15 - 10:45 **G. Papadopoulos** *Preserving Kerr symmetries in deformed spacetimes*

10:45 - 11:15 COFFEE BREAK

11:15 - 12:00 **Th. Gaitanos** *First test for hyperon potentials and implications to neutron star matter*

12:00 - 12:30 **G. Pappas** TBA

12:30 - 14:30 LUNCH BREAK

14:30 - 14:55 **Oliver Schön** *Hyperbolic formulation of the constraint equations in mathematical cosmology*

14:55 - 15:20 **Huo-Jui Kuan** *Inverse-Chirp Imprint on GW Signals in Scalar Tensor Theory*

15:20 - 15:40 **A. Sasli** *Normal Modes of Rotating Cylindrical Polytropes*

15:45 - 16:15 COFFEE BREAK

16:15 - 17:00 Discussion on the future of the collaboration

END of the meeting