

Sixteenth Marcel Grossmann Meeting

Monday, 5 July 2021

Compact Stars as Laboratories for Testing Strong Gravity: Block 1 (16:30 - 19:30)

-Conveners: Aurora Maria Perez Martinez; Cesar Augusto Zen Vasconcellos

time	[id] title	presenter
16:30	[170] Exotic thin-shell fluid stars with arbitrary compactness	ROSA, João
16:50	[179] Probing Strong Field Gravity and the Structure of Ultra-Dense Matter with the Thermal Evolution of Neutron Stars	NAVA-CALLEJAS, Martin Javier
17:10	[235] Effects of modified theories of gravity on neutrino pair annihilation energy deposition near neutron stars	MASTROTOTARO, Leonardo
17:30	[271] Neutron Stars in Scalar-tensor Theories: Analytic Scalar Charges and Gravitational-wave Constraints	YAGI, Kent
17:50	[687] Probing modified gravitational-wave propagation through tidal measurements of binary neutron star mergers	Ms JIANG, Nan
18:10	[793] Neutron Stars in Scalar-tensor Theories: Universal Relations and Analytic Investigations	STEPNICZKA, Michael
18:30	[803] Application of a hierarchical MCMC follow-up to Advanced LIGO continuous gravitational-wave candidates	TENORIO, Rodrigo
18:45	[994] Neutron stars in $f(R, T)$ gravity using realistic equations of state in the light of massive pulsars and GW170817	MALHEIRO, Manuel
19:00	[1053] Magnetic field in Neutron stars, vacuum birefringence consequences	PEREZ MARTINEZ, Aurora
19:15	[484] The Brach Cut Universe: from the origin of the universe to the formation of compact stars	Prof. VASCONCELLOS, Cesar Augusto Zen