

PHAROS Conference 2020: The multi-messenger physics and astrophysics of neutron stars

Monday 30 March 2020

Parallel 2B - Room 2 (14:30 - 16:00)

time	[id] title	presenter
14:30	[79] Magnetorotational instability in protoneutron stars: the regime of high magnetic Prandtl numbers	GUILLET, Jerome
14:45	[5] A global model of the magnetorotational instability in proto-neutron stars	ALEXIS, Reboul-Salze
15:00	[3] Magnetar formation through convective dynamo in protoneutron stars	Dr RAYNAUD, Raphaël
15:15	[46] Thermal spots and light curves of magnetars: 3D MHD simulations	IGOSHEV, Andrei
15:30	[100] X-ray emission from magnetized rotation-powered pulsars	Dr RIGOSELLI, Michela
15:45	[32] Magnetic field instabilities in neutron stars	Mr SUR, Ankan

Tuesday 31 March 2020

Parallel 2B - Room 2 (14:30 - 16:00)

time	[id] title	presenter
14:30	[140] Partially accreted crusts of neutron stars	SULEIMAN, Lami
14:45	[94] Thermodynamically consistent equation of state for an accreted crust	GUSAKOV, Mikhail
15:00	[136] The crust of accreting neutron stars within simplified reaction network	Mr SHCHECHILIN, Nikolay
15:15	[161] Carbon burning in the envelopes of neo-neutron stars	Dr BEZNOGOV, Mikhail
15:30	[189] Super-Massive Neutron Stars and Compact Binary Millisecond Pulsars	Dr LINARES, Manuel
15:45	[192] Accretion-induced collapse to third family compact stars as trigger for eccentric orbits of millisecond pulsars in binaries	ALVAREZ CASTILLO, David Edwin

Wednesday 1 April 2020

Parallel 2B - Room 2 (14:30 - 16:00)

time	[id] title	presenter
14:30	[123] Distinguishing double neutron star from neutron star-black hole binaries with gravitational wave observations	FASANO, Margherita
14:45	[38] BSN mergers with microscopic equations of state	FIGURA, Antonio
15:00	[155] Using a realistic equation of state in neutron star post-merger simulations.	ISSA, Danat
15:15	[85] Probing binary neutron star merger components and remnant using isentropic equations of state	Prof. BANDYOPADHYAY, Debades
15:30	[159] Post-Merger Magnetic Field Geometries and their Effect on Long-Term Afterglows	Mr LALAKOS, Aretaios
15:45	[160] The contribution of r-process heating on the dynamics of ejecta in binary neutron star mergers	Dr GUERCILENA, Federico

Thursday 2 April 2020

Parallel 2B - Room 2 (14:30 - 16:00)

time	[id] title	presenter
14:30	[152] High Performance Computing in High-energy Astrophysics: the case of the Pulsating Ultra Luminous X-ray sources (PULXs)	RODRIGUEZ CASTILLO, Guillermo Andres
14:45	[88] A FAST study of the slowest pulsar	Mr AGAR, Crispin
15:00	[117] A resistive extension for GRMHD	Mr WRIGHT, Alex
15:15	[72] Spritz: a new fully general relativistic magnetohydrodynamics code	VIJAY KALINANI, Jay
15:30	[12] Gravitational dynamics of relativistic binary pulsar systems	Dr VENKATRAMAN KRISHNAN, Vivek
15:45	[2] General-relativistic corrections to pulsar radio and high-energy emission	GIRAUD, Quentin