

Sixteenth Marcel Grossmann Meeting

Tuesday, July 6, 2021

Sources of Gravitational Waves: Block 1 (6:30 AM - 9:30 AM)

-Conveners: Andrew Melatos

time	[id] title	presenter
6:30 AM	[495] Recent searches for continuous gravitational waves and the implications	SUN, Ling Dr PAPA, Maria Alessandra
7:10 AM	[220] Searches for continuous gravitational waves from young supernova remnants in the early third observing run of Advanced LIGO and Virgo	STRANG, Lucy
7:30 AM	[384] Gravitational wave signatures of magnetic field generation in core collapse supernovae	MUELLER, Bernhard
8:00 AM	[704] Joint Analysis Method on Gravitational Waves and Low-Energy Neutrinos to Detect Core-Collapse Supernovae	Dr HALIM, Odysse
8:20 AM	[281] Deep learning for Core-Collapse Supernova detection	Dr DI PALMA, Irene
8:40 AM	[198] Hunting for the Stochastic Gravitational-Wave Background	SAKELLARIADOU, Mairi
9:10 AM	[255] Gravitational waves from neutrino mass generating phase transitions	SETO, Osamu

Wednesday, July 7, 2021

Sources of Gravitational Waves: Block 2 (9:30 AM - 12:30 PM)

-Conveners: Liam Dunn; Andrew Melatos

time	[id] title	presenter
10:10 AM	[690] Search for gravitational waves from Scorpius X-1 in the third observing run of Advanced LIGO	VARGAS, Andrés
10:30 AM	[852] Discriminating between correlated magnetic noise and a gravitational-wave background	MEYERS, Patrick

Thursday, July 8, 2021

Sources of Gravitational Waves: Block 3 (4:30 PM - 7:30 PM)

-Conveners: Andrew Melatos

time	[id] title	presenter
4:30 PM	[406] Physical insights from multi-messenger observations of compact binary mergers and their afterglows	VAN EERTEN, Hendrik
5:00 PM	[916] Searching gravitational wave signals in the post-merger phase after a binary black hole coalescences.	LAZZARO, Claudia
5:20 PM	[787] Importance of stable mass transfer and stellar winds for the formation of gravitational waves sources	DOROZSMAI, Andras
5:40 PM	[99] Constraining the NS EOS with merger and post-merger gravitational wave signals	CHATZIOANNOU, Katerina
6:10 PM	[715] Modelling neutron-star mountains	GITTINS, Fabian
6:30 PM	[1056] The phenomenology of late binary black hole gravitational waves via black hole perturbation theory	HUGHES, Scott
7:00 PM	[296] Measuring Individual Masses of Binary White Dwarfs with Space-based Gravitational-wave Interferometers	WOLZ, Anna

Friday, July 9, 2021

Sources of Gravitational Waves: Block 4 (6:30 AM - 9:30 AM)

-Conveners: Andrew Melatos

time	[id] title	presenter
6:30 AM	[397] Spin misalignment of black hole binaries from young star clusters: implications for the origin of GWTC-2 events	TRANI, Alessandro
6:50 AM	[913] The IMRPhenom program: accurate and computationally efficient waveform models for compact binary gravitational wave signals	ESTELLÉS, Hector
7:10 AM	[973] A fast and flexible method to detect higher order modes in the inspiral phase of compact binary coalescences.	SALEMI, Francesco
7:30 AM	[837] GW190521: an intermediate-mass black hole observed with minimal assumptions	SZCZEPANCZYK, Marek
7:50 AM	[908] Jointly setting upper limits on multiple components of an anisotropic stochastic gravitational-wave background	SURESH, Jishnu
8:10 AM	[974] Searching for Gravitational Waves from Scorpius X-1	ZHANG, Yuanhao
8:30 AM	[222] Neutron Star Mountain Creation]{Mountain formation by repeated, inhomogeneous crustal failure in a neutron star	Mr KERIN, Alex
8:50 AM	[655] Efficiency of registration of chirp bursts and signals of collapsing stars by the Euro-Asian network of GW interferometers	Mr KRICHESVKIY, Daniil
9:10 AM	[939] Detecting planetary-mass primordial black holes with resonant electromagnetic gravitational-wave detectors	HERMAN, Nicolas