

XXV SIGRAV Conference on General Relativity and Gravitation

Monday, September 4, 2023

Parallel Sessions: Experiments - Room B (2:00 PM - 5:45 PM)

time	[id] title	presenter
2:00 PM	[30] Experiments: Status of the GINGER project	DI VIRGILIO, Angela
2:30 PM	[22] Experiments: Fundamental Physics with GNSS satellites and the Galileo for Science Project	SAPIO, Feliciano
3:00 PM	[24] Experiments: METRIC: a mission concept for upper atmosphere mapping, gravitational physics and geodesy	PERON, Roberto
3:30 PM	Coffe Break	
4:00 PM	[26] Experiments: Galactic Dark Matter from General Relativity	RE, Federico
4:30 PM	[18] Experiments: ISA accelerometer on-board BepiColombo mission during first Mercury swing-bys – Preliminary observations	SANTOLI, Francesco
5:00 PM	[233] ###	

Parallel Sessions: Phenomenology - Room A (2:00 PM - 5:45 PM)

time	[id] title	presenter
2:00 PM	[15] Phenomenology: Detection and measurement prospects at the Einstein Telescope: forecasts with GWFASST	IACOVELLI, Francesco
2:30 PM	[17] Phenomenology: Parameter estimation of binary black holes in the endpoint of the up--down instability	DE RENZIS, Viola
3:00 PM	[19] Phenomenology: Multitimescale dynamics of eccentric and precessing binary black holes	FUMAGALLI, Giulia
3:15 PM	[21] Phenomenology: Anisotropic Neutron Stars: Exploring Quasinormal Modes in Full General Relativity	MONDAL, Sushovan
3:30 PM	Coffe Break	
4:00 PM	[25] Phenomenology: Glitch systematics on the observation of massive black-hole binaries with LISA	SPADARO, Alice
4:15 PM	[216] Phenomenology: Non-gaussian gravitational wave backgrounds across the GW spectrum	BUSCICCHIO, Riccardo
4:30 PM	[217] Phenomenology: From regular black holes to horizonless objects: gravitational perturbations and detectability	VELLUCCI, Vania
4:45 PM	[29] Phenomenology: AGILE search of gamma-ray electromagnetic counterparts of gravitational waves	LONGO, Francesco
5:00 PM	[239] ###	

Parallel Sessions: Theory - Room D (2:00 PM - 5:45 PM)

time	[id] title	presenter
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2:00 PM	[8] Theory: Exploring Conserved Charges in General Relativity Using Covariant Phase Space	ODAK, Gloria
2:15 PM	[214] Theory: The quantum states of the universe in tomographic form	STORNAIOLO, Cosimo
2:30 PM	[9] Theory: On the classification of Generalized Quasitopological Gravities	MURCIA GIL, Ángel Jesús
2:45 PM	[199] Theory: On the canonical equivalence of Jordan and Einstein frames	GIONTI, S.J., Gabriele
3:00 PM	[10] Theory: On the nature of Bondi-Metzner-Sachs transformations	ESPOSITO, Giampiero
3:15 PM	[11] Theory: Can General Relativity Play a Role in Galactic dynamics?	RUGGIERO, Matteo Luca
3:30 PM	Coffe Break	
4:00 PM	[200] Theory: Probing the Big Bang with Quantum Fields	SCHNEIDER, Marc
4:15 PM	[12] Theory: Primordial fluctuations from quantum gravity	VIDOTTO, Francesca
4:30 PM	[13] Theory: Scale-invariant inflation	CECCHINI, Chiara
4:45 PM	[14] Theory: Bianchi-I cosmologies, magnetic fields and singularities	KAMENSHCHIK, Alexander
5:00 PM	[201] Theory: A Cosmographic distance functional between Celestial Spheres	FAMILIARI, Francesca
5:15 PM	[210] Theory: Grand canonical ensemble of a d-dimensional Reissner-Nordström black hole space in a cavity	FERNANDES, Tiago

Tuesday, September 5, 2023

Parallel Sessions: Experiments - Aula Magna, Room A, B, D (2:00 PM - 6:00 PM)

time	[id] title	presenter
2:00 PM	[50] Experiments: Detecting low-frequency gravitational waves with Pulsar Timing Arrays	PERRODIN, Delphine
2:30 PM	[56] Experiments: The European Pulsar Timing Array - the pulsar dataset	SHAIFULLAH, Golam
3:00 PM	[68] Experiments: The second data release from the European Pulsar Timing Array II. Customised Pulsar Noise Models for Spatially Correlated Gravitational Waves	CHALUMEA, Aurélien
3:30 PM	Coffe Break	
4:00 PM	[74] Experiments: Impications of GW searches in the latest data release of the EPTA	SESANA, Alberto
4:30 PM	[80] Experiments: The growing population of the relativistic pulsar binaries	POSSENTI, Andrea
5:00 PM	[229] ####	

Parallel Sessions: Phenomenology - Aula Magna, Room A, B, D (2:00 PM - 6:00 PM)

time	[id] title	presenter
2:00 PM	[49] Phenomenology: Scalar-tensor theories to tackle cosmological tensions	BALLARDINI, Mario
2:30 PM	[55] Phenomenology: Observational phenomena on black hole with dark matter dress	YANG, Xing-Yu
2:45 PM	[61] Phenomenology: Non-ideal GRMHD and compact objects	DEL ZANNA, Luca
3:00 PM	[67] Phenomenology: Dark Matter in Fractional Gravity I: Astrophysical Tests on Galactic Scales	BENETTI, francesco
3:15 PM	[218] Phenomenology: Ultraviolet Sensitivity of Peccei–Quinn Inflation	DAL CIN, Davide
3:30 PM	Coffe Break	
4:00 PM	[73] Phenomenology: Testing Planck-scale in-vacuo dispersion with GRB neutrinos	ROSATI, Giacomo
4:15 PM	[219] Phenomenology: Anharmonic effects on the squeezing of axions perturbations	DANIELI, Valentina
4:30 PM	[79] Phenomenology: A new Paradigm for the Dark Matter Phenomenon	SALUCCI, Paolo
4:45 PM	[85] Phenomenology: Enlightening Cold Dark Matter's darkest side via a non-minimal coupling	GANDOLFI, Giovanni
5:00 PM	[91] Phenomenology: Spectrogram correlated stacking: A time-frequency domain analysis of the Stochastic Gravitational Wave Background	DEY, Ramit
5:15 PM	[220] Phenomenology: Primordial Black Holes during the QCD phase-transition	Dr MUSCO, Ilia
5:30 PM	[227] ####	

Parallel Sessions: Theory - Aula Magna, Room A, B, D (2:00 PM - 6:00 PM)

time	[id] title	presenter
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2:00 PM	[51] Theory: Beyond the Casimir Wormholes	GARATTINI, Remo
2:15 PM	[204] Theory: Lessons from gravitational physics and beyond: how can we rethink space, time and causal order?	DE BIANCHI, Silvia
2:30 PM	[54] Theory: Fundamental decoherence from quantum spacetime	D'ESPOSITO, Vittorio
2:45 PM	[60] Theory: Carrollian and Galilean limits of deformed symmetries in 3D gravity	TRZESNIEWSKI, Tomasz
3:00 PM	[66] Theory: Quantum Euler angles and agency-dependent spacetime	FABIANO, Giuseppe
3:15 PM	[205] Theory: A quantum-spacetime model with kinematical IR/UV mixing and its phenomenology	FRATTULILLO, Domenico
3:30 PM	Coffe Break	
4:00 PM	[72] Theory: Axially symmetric stationary gravitational perturbations of Kerr black hole --- Debye vs Weyl, Lewis, Papapetrou	KOFRON, David
4:15 PM	[78] Theory: To Kerr or not to Kerr?	PETRIAKOVA, Polina
4:30 PM	[206] Theory: On the dynamics of perturbed Black Holes	LENZI, Michele
4:45 PM	[207] Theory: Regular Black Holes in Lorentz-violating Gravity	MAZZA, Jacopo
5:00 PM	[208] Theory: Black-hole evolution in the presence of scalar fields	DE CESARE, Marco
5:15 PM	[209] Theory: Unveiling Novel Scalarized Black Hole Solutions in Modified Theories	BELKHADRIA, Zakaria
5:30 PM	[202] Theory: Quantum field corrections to the equation of state of freely streaming matter in the FLRW space-time	BECATTINI, Francesco

Thursday, September 7, 2023

Parallel Sessions: Experiments - Aula Magna, Room A, B, D (2:00 PM - 5:45 PM)

time	[id] title	presenter
2:00 PM	[52] Experiments: The Astrometric Gravitational Arena: principles and applications	CROSTA, Mariateresa
2:30 PM	[58] Experiments: Progress on the Astrometric Gravitational Wave Antennas	LATTANZI, Mario G.
3:00 PM	[70] Experiments: LISA Pathfinder and LISA test-mass charging	GRIMANI, Catia
3:30 PM	Coffe Break	
4:00 PM	[82] Experiments: Large area space interferometry to measure Solar and galactic gravitomagnetism	BASSAN, Massimo
4:30 PM	[230] LAG- Liquid Actuated Gravity - Snooping Inverse Square Law at 500μ cm distance	BASSAN, Massimo
5:00 PM	[231] ###	

Parallel Sessions: Phenomenology - Aula Magna, Room A, B, D (2:00 PM - 5:45 PM)

time	[id] title	presenter
2:00 PM	[53] Phenomenology: Neural Posterior Estimation with guaranteed exact coverage: the ringdown of GW150914	CRISOSTOMI, Marco
2:30 PM	[59] Phenomenology: Testing black hole eikonal correspondence	CHEN, Che-Yu
2:45 PM	[65] Phenomenology: Hunting for two rings in black hole images	CARBALLO-RUBIO, Raúl
3:00 PM	[71] Phenomenology: Testing GR with large catalogs: the cosmic variance of hierarchical stacking	PACILIO, Costantino
3:15 PM	[221] Phenomenology: Measuring deviations from the Kerr geometry with black hole ringdown	DEY, Kallol
3:30 PM	CoffeBreak	
4:00 PM	[77] Phenomenology: Constraining modifications of black hole perturbation potentials near the light ring with quasinormal modes	VÖLKEL, Sebastian
4:15 PM	[83] Phenomenology: Spacetime-Symmetry Breaking and the Generation of Gravitational Waves	NILSSON, Nils
4:30 PM	[89] Phenomenology: Test of the Second Postulate of Relativity from Gravitational Wave Observations	NAIR, Sreejith
4:45 PM	[95] Phenomenology: Orthogonality and transitions between black-hole quasibound states	CANNIZZARO, enrico
5:00 PM	[222] Phenomenology: Nonlinear photon-plasma interaction and the black-hole superradiant instability	CORELLI, Fabrizio
5:15 PM	[232] ###	

Parallel Sessions: Theory - Aula Magna, Room A, B, D (2:00 PM - 5:45 PM)

time	[id] title	presenter
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2:00 PM	[48] Theory: Bouncing and emergent cosmology from Dark Energy with an unstable de Sitter vacuum	BRUNI, Marco
2:15 PM	[57] Theory: On the wormhole-warp drive correspondence	ZATRIMAYLOV, Kirill
2:30 PM	[63] Theory: Casimir wormholes with a scalar field	TZIKAS, Athanasios
2:45 PM	[69] Theory: Geometry of the black-to-white hole transition	SOLTANI, Farshid
3:00 PM	[211] Theory: Quantum integrable black holes	GIUSTI, Andrea
3:15 PM	[212] Theory: Constructing accelerating NUT black holes	BARRIENTOS, José
3:30 PM	Coffe Break	
4:00 PM	[75] Theory: Vacuum entanglement in near extremal black holes	RIBISI, Salvatore
4:15 PM	[213] Theory: Hawking Radiation without Lorentz Invariance	DEL PORRO, Francesco
4:30 PM	[238] Theory: Noncommutative Correction to Black Hole Entropy	POŽAR, Filip
4:45 PM	[87] Theory: Renormalization and unitarity in a higher derivative scalar theory	BUCCIO, Diego
5:00 PM	[93] Theory: Mapping the landscape of gravity theories	GIARDINO, Serena
5:15 PM	[198] Theory: Self gravity affects quantum states	BRUSCHI, David Edward
5:30 PM	[215] Theory: Aspects of kinetic screening - UV completion and the two-body problem	BOSKOVIC, Mateja