

GRAVITY@UCEN2019: RECENT DEVELOPMENTS IN BLACK HOLE PHYSICS AND COSMOLOGY

PROGRAM

Monday		
Chairman: Adolfo Cisterna		
Hour	Speaker	Talk
9:00-9:30	Adolfo Cisterna	Reception and Welcome
9:30-10:20	Sourya Ray	Black Hole Enthalpy and Scalar Fields
10:20-11:00	Mokhtar Hassaine	Axionic charged black branes with arbitrary scalar nonminimal coupling
11:00-11:30	Coffee break	
Chairman:		
11:30-12:20	Olivera Miskovic	Gravity as a gauge theory
12:20-13:10	Marco Astorino	Ehlers Transformation and Majumdar-Papapetrou-NUT Black Holes
13:10-15:00	Lunch break	
Chairman:		
15:00-15:25	Pedro Álvarez	Construction of a chiral model using unconventional SUSY
15:25-15:50	Andrés Goya	Thermodynamics of black holes with conformal scalar hair
15:55-16:20	Nelson Merino	Chern-Weil theorem and the boundary terms in gravity actions
16:20-16:50	Coffee break	
16:50-17:15	Moises Bravo	Magnetically charged black holes for Einstein-Hilbert-Gauss-Bonnet Gravity
17:15-17:40	Simón del Pino	Static and Rotating BTZ black strings in dynamical Chern-Simons modified gravity

Tuesday		
Chairman: Adolfo Cisterna		
Hour	Speaker	Talk
9:30-10:20	Gonzalo Palma	Ruling out holographic inflation
10:20-11:00	Paola Arias	Scalar and vector particles as Dark Matter candidates
11:00-11:30	Coffee break	
Chairman:		
11:30-12:20	Radouane Gannouji	Relativistic cosmological large scale structures at one-loop
12:20-12:45	Simón Riquelme	A Tip for Landscape Riders: Non-Geodesic Motion Overcomes the Swampland
12:45-13:10	Pedro Labraña	Emergent Universe by Tunneling in a Jordan-Brans-Dicke Theory
13:10-15:00	Lunch break	
Chairman:		
15:00-15:25	Nelson Videla	The viability of chaotic inflation in a generalized Galileon scenario
15:25-15:50	Yolbeiker Rodríguez	Critical phenomena in gravitational collapse
15:55-16:20	Ángel Rincón	Scale-dependent black holes and their implications
16:20-16:50	Coffee break	
16:50-17:15	Cristóbal Corral	Quasitopological gravity a la Riemann-Cartan
17:15-17:40	Viktor Gakis	Gravitational Waves in Teleparallel Gravity

Wednesday		
Chairman: Adolfo Cisterna		
Hour	Speaker	Talk
9:30-10:20	Jorge Zanelli	Parallelizable Pseudo-spheres
10:20-11:00	Rodrigo Olea	Renormalized volume in AdS Gravity
11:00-11:30	Coffee break	
Chairman:		
11:30-11:55	Alberto Faraggi	Precision Holography and Wilson Loops
11:55-12:20	Adamantia Zampelli	Canonical quantization of minisuperspace models with variational symmetries
12:20-12:45	Giorgios Anastasiou	Extrinsic counterterms in holographic Entanglement and Renyi Entropy
12:55-13:10	Gabriel Arenas	Mass in Lovelock unique vacuum theories
13:10-13:35	Francisco Rojas	Meronic Einstein-Yang-Mills black hole in 5D and gravitational spin from isospin effect
13:10-15:00	Lunch break	
15:00-19:00	Free afternoon	Free afternoon

Thursday		
Chairman: Adolfo Cisterna		
Hour	Speaker	Talk
9:30-10:20	Domenico Sapone	Internal Robustness of Growth Rate data
10:20-11:00	Benjamin Koch	The cosmological constant problem: deflation during inflation
11:00-11:30	Coffee break	
Chairman:		
11:30-12:20	Pablo Bueno	Universality from Einsteinian cubic gravity
12:20-13:10	Nicolás Grandi	Fermionic halos at finite temperature in holographic neutron stars
13:10-15:00	Lunch break	
Chairman:		
15:00-15:25	Mauricio Valenzuela	Charged stealth fields from action-deformation method
15:25-15:50	Fernando Izaurieta	Spacetime torsion changes the polarization but not the speed of gravitational waves
15:55-16:20	Olaf Baake	Superradiance of a charged scalar field coupled to the Einstein-Maxwell equations
16:20-16:50	Coffee break	
16:50-17:15	Kostas Pallikaris	Telleparallel Gravity and Gravitational Energy of Black Holes
17:15-17:40	Ángel Rincón	Scale-dependent black holes and their implications
17:40-18:05	David Rivera	Energy in higher-derivative gravity via topological regularization

Friday		
Chairman: Adolfo Cisterna		
Hour	Speaker	Talk
9:30-10:20	Leftheris Papantonopoulos	Building a Holographic Superconductor in a Scalar-Tensor Horndeski Theory
10:20-11:00	Evgeny Babichev	Scalar-tensor theories after GW170817
11:00-11:30	Coffee break	
Chairman:		
11:30-12:20	Julio Oliva	Wormholes in GR in vacuum
12:20-13:10	Dumitru Astefanasei	Asymptotically flat hairy black holes with a dilation potential
13:10-15:00	Lunch break	
Chairman:		
15:00-15:25	Thomas Madler	Radiation memory and boosted black holes
15:25-15:50	Felipe Díaz	Entanglement entropy on de Sitter space
15:55-16:20	Javier Moreno	Higher curvature holographic entanglement for squashed spheres