

NEB-21

Tuesday 2 September 2025

Parallel Session B: Black Hole Perturbation - Amphitheater 2 (15:00 - 16:40)

-Conveners: Katerina Chatziioannou

time	[id] title	presenter
15:00	[26] Maxwell Fields, Hidden Symmetries, and the Teukolsky Equation	Ms ARIAS PRUNA, Cynthia Belen
15:20	[2] Shadow/QNMs correspondence for black holes in KK gravity	CUADROS-MELGAR, Bertha
15:40	[38] Black Hole Ringdown in Astrophysical Environment	Dr KOTLAŘÍK, Petr
16:00	[88] Gravitational Waves generation using the Lehmann-Symanzik-Zimmermann formalism	CRISTACHE, George
16:20	[20] A new model of spontaneous scalarization induced by curvature and matter	BELKHADRIA, Zakaria

Parallel Session B: Alternative Black Holes - Amphitheater 2 (17:00 - 18:20)

-Conveners: Georgios Antoniou

time	[id] title	presenter
17:00	[65] Robinson-Trautman spacetimes in the Einstein-Gauss-Bonnet theory	Mrs ASTUDILLO, Natalia
17:20	[29] Rotating spacetimes with a free scalar field in four and five dimensions	Dr BARRIENTOS ORTIZ, Jose Manuel
17:40	[59] Black holes with primary scalar hair	Dr NAKAS, Theodoros
18:00	[63] Black Mirrors: CPT-Symmetric Alternatives to Black Holes	TZANAVARIS, Kostas

Wednesday 3 September 2025

Parallel Session B: Alternative Black Holes - Amphitheater 2 (15:00 - 16:40)

-Conveners: Eleni-Alexandra Kontou

time	[id] title	presenter
15:00	[54] Using shadow observations to distinguish black holes from ultra-compact objects	Prof. RUBIERA-GARCIA, Diego
15:20	[56] Universal black hole solutions for all $F(R)$ gravitational theories	SILVA, Agustín
15:40	[47] Self-gravitating pulsed spinning mesonic tubes	GIACOMINI, Alex
16:00	[73] In search of a higher-dimensional Kerr-Newman solution	SRINIVASAN, Aravindhan
16:20	[28] General stationary axisymmetric spacetimes: circularity and beyond	Dr BABICHEV, Eugeny

Parallel Session B: Charged Bodies - Amphitheater 2 (17:00 - 18:20)

-Conveners: Perseas Christodoulidis

time	[id] title	presenter
17:00	[35] General features of energy extraction from black holes through charged particle production	Dr HEJDA, Filip
17:20	[77] Differential curvature invariants as detectors of horizon and ergosurface radii for accelerating, rotating and charged black holes in (anti-)de Sitter background.	KRANIOTIS, Georgios
17:40	[43] Geometric Unification of Elementary Particles	RAGIADAKOS, Christos
18:00	[45] $U(1)$ gauged boson stars and hairy Reissner-Nordström black holes	Prof. SHNIR, Yakov

Thursday 4 September 2025

Parallel Session B: Mathematical Relativity - Amphitheater 2 (15:00 - 16:00)

-Conveners: **Damianos Iosifidis**

time	[id] title	presenter
15:00	[69] Re-examining the Foundations of Supergravity: The Spin-1/2 Sector	Prof. VALENZUELA URIBE, Mauricio
15:20	[15] A Directive for obtaining Algebraically General Solutions of Einstein's Equations	KOKKINOS, Dionysios
15:40	[44] Fixing the dynamical evolution of self-interacting vector fields	Dr RUBIO, Marcelo