



# Seventeenth Marcel Grossmann Meeting

## Monday, 8 July 2024

### **Black holes in alternative theories of gravity: Monday block 1 - Flaiano (15:00 - 16:30)**

-Conveners: Jutta Kunz; Jose Luis Blázquez-Salcedo

time	[id] title	presenter
15:00	[175] Observing naked singularities by the Event Horizon Telescope	Dr NEDKOVA, Petya
15:30	[146] Distinguishing Signature of Kerr-MOG Black Hole and Naked Singularity via Lense-Thirring Effect	PRADHAN, PARTHA PRATIM
15:50	[29] Black hole thermodynamics and boundary terms	LIŠKA, Marek
16:10	[51] Some words about gravitational entropy and Penrose's Weyl curvature conjecture	GREGORIS, Daniele

### **Black holes in alternative theories of gravity: Monday block 2 - Flaiano (17:00 - 18:45)**

-Conveners: Jutta Kunz; Jose Luis Blázquez-Salcedo

time	[id] title	presenter
17:00	[177] Black holes in a modified gravity: Hawking radiation and cosmological implications	MUKHOPADHYAY, Banibrata
17:20	[500] Hairy black holes in extended Einstein-Maxwell-scalar theories with magnetic charge and kinetic couplings	Mr TANIGUCHI, Kitaro
17:40	[114] Strong interactions and Bekenstein – Hawking black hole entropy	CULETU, Hristu
18:00	[67] How Relic Black Holes , in the early universe allow Torsion to form a Cosmological constant, and set restrictions on Relic Black holes in terms of a quantum number $n$ as specified	BECKWITH, Andrew
18:20	[82] The Classical Point Particle Singularity: An Illusion in GR and Elsewhere!	SOBOUTI, Yousef

# Friday, 12 July 2024

## **Black holes in alternative theories of gravity: Friday block 1 - Flaiano (15:00 - 16:30)**

-Conveners: Jutta Kunz; Jose Luis Blázquez-Salcedo

time	[id] title	presenter
15:00	[615] Quasinormal modes of rapidly rotating black holes	KHOO, Fech Scen
15:30	[386] Black holes at a crossroads during the late stages of evaporation in quadratic gravity	SILVERAVALLE, Samuele Marco
15:50	[333] The canonical ensemble of a self-gravitating matter thin shell in asymptotically AdS	FERNANDES, Tiago
16:10	[471] Embedding LTB models in mimetic gravity and exact spherically symmetric solutions	LIU, Hongguang

## **Black holes in alternative theories of gravity: Friday block 2 - Flaiano (17:00 - 18:30)**

-Conveners: Jutta Kunz; Jose Luis Blázquez-Salcedo

time	[id] title	presenter
17:00	[83] Dynamics of scalar fields in the nonlinear $\sigma$ -models in the Eddington inspired Born-Infeld gravity	KAYUMOV, Bakhodir
17:15	[345] Regular multi-horizon Lee-Wick black holes	BURZILLÀ, Nicolò
17:30	[563] Holography of new 3d conformal higher spin theories for low spins	LOVREKOVIC, Iva
17:45	[197] Does no-hair theorem fail in the modified theories of gravity?	XAVIER, Semin
18:00	[274] Scalarized Black Hole Solutions in Modified Theories	BELKHADRIA, Zakaria
18:15	[407] Testing alternative spacetimes by fitting both the hot-spot data of Sgr A*, and high-frequency quasi-periodic oscillations observed in AGNs and microquasars	SHAHZADI, Misbah