

VII Amazonian Workshop on Gravity and Analogue Models

August 5th - 9th 2019
Federal University of Pará



The Amazonian Workshop on Gravity and Analogue Models is an introductory to mid-level meeting intended to be regularly held by the Graduate Program in Physics at the Pará University.

Up to its 6th edition, this Workshop has been called Amazonian Workshop on Black Holes and Analogue Models of Gravity. However, due to the increasing participation of researchers in areas of Gravitation other than Black Holes, it is now entitled Amazonian Workshop on Gravity and Analogue Models.

The Amazonian Workshop on Gravity and Analogue Models is targeted for young researchers and graduate students in Physics, as well as for last-year undergraduate students, wishing to quickly learn advanced topics in General Relativity and Analogue Models of Gravity from some of the world's experts.

The VII Amazonian Workshop on Gravity and Analogue Models will be held in the Belém Campus of the Federal University of Pará. In the gateway to Amazonia, the Belém Campus is located on the shore of the river Guamá, one of the rivers which form the Guajará bay.

Schedule	Mon (05/08)	Tue (06/08)	Wed (07/08)	Thu (08/08)	Fri (09/08)
08:30-09:00		SC1	SC2	SC2	SC2
09:00-09:30		SC1	SC2	SC2	SC2
09:30-10:00		SC1	SC2	SC2	SC2
10:00-10:30		X	X	X	X
10:30-11:00		SC3	SC3	SC3	SC3
11:00-11:30		SC3	SC3	SC3	SC3
11:30-12:00		SC3	SC3	SC3	SC3
12:00-14:00		X	X	X	Closing Session
14:00-14:30					
14:30-15:00		S1	S4	S7	
15:00-15:30		S2	S5	S8	
15:30-16:00		S3	S6	S9	
16:00-16:30	Opening Session	X	X	X	
16:30-17:00	SC1	SC2	SC1	SC1	
17:00-17:30	SC1	SC2	SC1	SC1	
17:30-18:00	SC1	SC2	SC1	SC1	

Short Courses:

- Short Course (SC1):** "Numerical-relativity modelling of astrophysical sources of gravitational waves" - José Antonio Font Roda (Universitat de València, Spain).
- Short Course (SC2):** "Black holes and exotic compact objects: Aspects of gravitational lensing and shadows" - Carlos Alberto Ruivo Herdeiro (Universidade de Lisboa, Portugal).
- Short Course (SC3):** "Exploring black hole physics with numerical relativity" - Ulrich Sperhake (University of Cambridge, United Kingdom).

Seminars:

- Seminar (S1):** "On the inexistence of solitons in Einstein-Maxwell-scalar models" - João Miguel S. Oliveira (Universidade de Aveiro, Portugal).
- Seminar (S2):** "On-axis scattering of scalar fields by charged rotating black holes" - Carolina Loureiro Benone (Universidade Federal do Pará, Brazil).
- Seminar (S3):** "Equivalence Principle in Reissner-Nordström geometry" - Rafael Pinto Bernar (Universidade Federal do Maranhão, Brazil).
- Seminar (S4):** "Spontaneous scalarisation of charged black holes: coupling dependence and dynamical features" - Alexandre Mira Pombo (Universidade de Aveiro, Portugal).
- Seminar (S5):** "Absorption of electromagnetic plane waves by rotating black holes" - Luiz Carlos dos Santos Leite (Universidade Federal do Pará, Brazil).
- Seminar (S6):** "Parametrized black hole ringdown" - Caio Filipe Bezerra Macedo (Universidade Federal do Pará, Brazil).
- Seminar (S7):** "Kerr black holes with synchronised scalar hair and higher azimuthal harmonic index" - Jorge Filipe Mónico Delgado (Universidade de Aveiro, Portugal).
- Seminar (S8):** "Visual appearance of a black-bounce/traversable wormhole spacetime" - Haroldo Cilas Duarte Lima Junior (Universidade Federal do Pará, Brazil).
- Seminar (S9):** "Hayward-type black hole with Nonlinear Electrodynamics in $f(R)$ Theory" - Marcos Vinicius de Sousa Silva (Universidade Federal do Pará, Brazil).

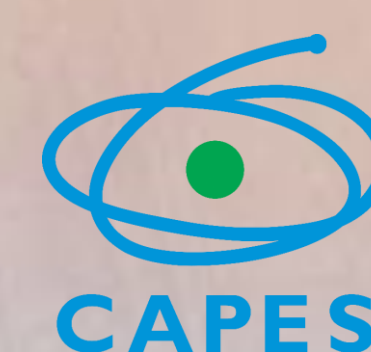
Organizing Committee:

- Ângela Burlamaqui Klautau - Universidade Federal do Pará, Brazil
- Carlos Alberto Ruivo Herdeiro - Universidade de Aveiro, Portugal
- José Antonio Font Roda - Universitat de València, Spain
- Luís Carlos Bassalo Crispino - Universidade Federal do Pará, Brazil

Realization:



Sponsors:



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