Schedule

	Mon (03/12)	Tue (04/12)	Wed (05/12)	Thu (06/12)	Fri (07/12)
09:00-09:30	Opening Session	S2	S5	S8	SC2-4
09:30-10:00	SC1-1	SC1-3	SC1-4	SC1-5	SC2-4
10:00-10:30	SC1-1	SC1-3	SC1-4	SC1-5	X
10:30-11:00	X	X	X	X	SC2-5
11:00-11:30	SC1-2	SC2-1	SC2-2	SC2-3	SC2-5
11:30-12:00	SC1-2	SC2-1	SC2-2	SC2-3	Closing Session
12:00-15:00	X	X	X	X	
15:00-15:30	SC3-1	SC3-2	SC3-3	SC3-4	
15:30-16:00	SC3-1	SC3-2	SC3-3	SC3-4	
16:00-16:30	S1	S3	S6	S9	
16:30-17:00	S1	S4	S7	S10	

Organizing Committee:

Prof. Dr. Atsushi Higuchi
Prof. Dr. Carlos Alberto Ruivo Herdeiro
Prof. Dr. Luís Carlos Bassalo Crispino - Chair

Realization:

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HORIZON 2020
THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

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for Theoretical Physics

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V Amazonian Workshop on Black Holes and Analogue Models of Gravity
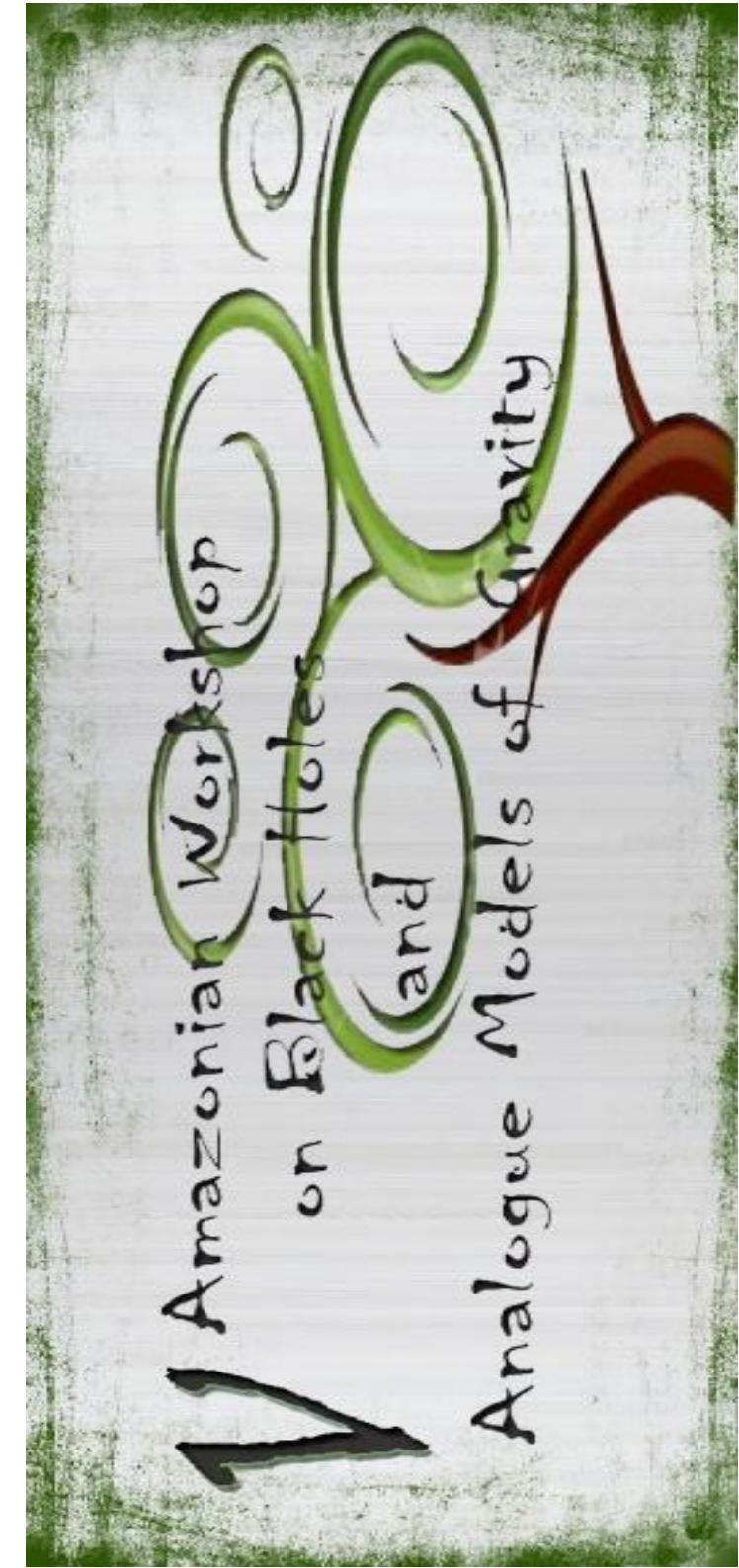
V AWBHAMG

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

The Amazonian Workshop on Black Holes and Analogue Models of Gravity 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 V Amazonian Workshop on Black Holes and Analogue Models of Gravity 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

Opening Session:

Atsushi Higuchi - University of York, United Kingdom
Carlos Alberto Ruivo Herdeiro - Universidade de Lisboa, Portugal
Emmanuel Zagury Tourinho - Universidade Federal do Pará, Brazil
Luís Carlos Bassalo Crispino - Universidade Federal do Pará, Brazil

Short Courses:

➢ Short Course (SC1): "An Introduction to Black Holes in General Relativity and Beyond: bald and hairy" - Carlos Alberto Ruivo Herdeiro (Universidade de Lisboa, Portugal)

➢ Short Course (SC2): "Geodesic and Shadows of Kerr Black Holes" - Pedro Vieira Pinto da Cunha (Universidade de Lisboa, Portugal)

➢ Short Course (SC3): "Singularity Theorems in General Relativity" - Atsushi Higuchi (University of York, United Kingdom)

Seminars:

Seminar (S1): "Michel accretion flows and analogue black holes in astrophysics" - Olivier Charles Albert Sarbach (Universidad Michoacana de San Nicolás de Hidalgo, México).

Seminar (S2): "Electromagnetic absorption by axially symmetric chargeless black holes" - Luiz Carlos dos Santos Leite (Universidade Federal do Pará, Brazil).

Seminar (S3): "Synchronized stationary clouds in a static fluid" - Carolina Loureiro Benone (Universidade Federal do Pará, Brazil).

Seminar (S4): "The Gibbons-Hawking radiation of gravitons in the Poincaré and static patches of de Sitter spacetime" - Rafael Pinto Bernar (Universidade Federal do Pará, Brazil).

Seminar (S5): "Absorption by the Draining Bathtub: Analytical Approach" - Amanda Lima de Almeida (Universidade Federal do Pará, Brazil).

Seminar (S6): "Ergoregion instability of a rotating quantum system" - Leandro Amador de Oliveira (Universidade Federal do Pará, Brazil).

Seminar (S7): "Scalar absorption by a static and chargeless black hole in the context of the Einstein-dilaton-Gauss-Bonnet (EdGB) theories" - Ivanildo de Carvalho Gomes Júnior (Universidade Federal do Pará, Brazil).

Seminar (S8): "Tidal Forces in Bardeen Spacetime" - Haroldo Cilas Duarte Lima Junior (Universidade Federal do Pará, Brazil).

Seminar (S9): "Spectral lines of extreme compact objects" - Caio Filipe Bezerra Macedo (Universidade Federal do Pará, Brazil).