



GRAVITATIONAL WAVES, BLACK HOLES AND FUNDAMENTAL PHYSICS

- Austria
- Belgium
- Bosnia & Herzegovina
- Bulgaria
- Croatia
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Israel
- Italy
- Malta
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Russia
- Serbia
- Slovenia
- South Africa
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom
- United States

Core Group

Chair & Vice-Chair: Cardoso & Ferrari

STSM Coordinator: Gomboc

Dissemination: Herdeiro

Diversity Adviser: Sintes

WG Leaders: Barack, Nissanke, Sotiriou (source modelling, astrophysics, fundamental physics)

WG Vice-Leaders & Connectors: Bruegmann, Kokkotas, Volonteri

Topic Leaders

Belczynski, Bertone, Bon, Chernyakova, Colpi, Horesh, Kocsis, Nardini, Perego, Tauris, Volonteri

Gair, Hinderer, Le Tiec, Schmidt, Sperhake, Wardell

Barausse, Herdeiro, Palenzuela, Pani, Samajdar, Yagi

Black holes, gravitational waves and fundamental physics: a roadmap

Classical and Quantum Gravity 36 (2019) 143001; arXiv:1806.05195

Indispensable people

LOC Chair of Trieste meeting: Enrico Barausse

Administrative GH: Susana Oliveira

Action Administrative Office: Cassia Azevedo

Action Science Officer: Fatima Bouchama

Important items

- a. Become a member.
- b. Acknowledge the Action! (logo, acknowledgements in papers, etc)
- c. Use the Short Term Scientific Missions (STSM) tool!
- d. Use the Inclusiveness Target Countries (ITC) grants.
- e. Do you have ideas for dissemination? Let us know.
- f. Do you need support for an interesting initiative? Plan and let us know.

Important items

g. Have you given talks, or have interesting outreach material?
Contact Carlos Herdeiro.

h. Questions about admin or reimbursement?
Ask Susana

i. **Please do not run over time. Chairs, be strict!**

j. Interact as much as possible, through questions, coffee break discussions etc.

Enjoy Trieste 2020

A cosmic background image featuring a deep blue and purple nebula with numerous bright stars and distant galaxies. The text is centered over this image.

Institute for Fundamental Physics of the Universe

The Institute for Fundamental Physics of the Universe (IFPU) is a joint initiative of the International School for Advanced Studies (SISSA), the Abdus Salam International Centre for Theoretical Physics (ICTP), the National Institute for Astrophysics (INAF) and the National Institute for Nuclear Physics (INFN). The institute aims at hosting and promoting a vigorous and innovative multi-disciplinary research program focused on investigating the fundamental laws of Nature under a Cosmological and Astrophysical perspective.



IFPU

GWverse
Meeting

IFPU special programs

The Institute supports and finances two kinds of activities:

Focus Week programs: the Institute supports thematic programs dedicated to the investigation of specific research topics within the scientific goals of the Institute, selected on the bases of their innovativeness and timeliness. Each program usually lasts for **one to two weeks** and features the participation **of up to twenty** experts in the field. The format is usually that of a small scale workshop with a few talks and brainstorming and discussion sessions, also allowing time for working group activities. The Institute provides logistic support, including office space and access to the Institute facilities, and financial support via a contribution to local expenses (accommodation + meals); additional third party financing is encouraged.

Propose a Focus Week program (call for programs planned up to **September 30, 2020** now open)

Team Research programs: the Institute supports the activity of small groups developing or finalizing a project in an area within the scientific goals of the Institute, preferably among those already actively pursued by affiliated members. A team is usually composed of **two to four** members, with at least half of the members not being affiliated to the Institute, and each program usually lasts **one to two weeks**. The Institute provides logistic support, including office space and access to the Institute facilities. External members are eligible for financial support, including a contribution to local expenses (accommodation + meals) during the period of stay, and, in some motivated cases, to travel expenses.

Propose a Team Research program (call for programs planned up to **December 31, 2019** now open)