

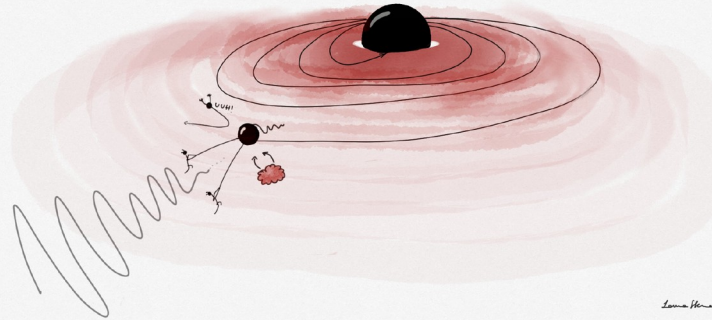
JUNE 15-17 2022



SAPIENZA UNIVERSITY OF ROME

<https://agenda.infn.it/e/GWenvironment>

GRAVITATIONAL WAVE PROBES OF BLACK HOLE ENVIRONMENTS



OVERVIEW ON CURRENT AND FUTURE STATUS OF GW OBSERVATIONS

GW SEARCHES FOR DARK MATTER

ENVIRONMENTAL EFFECTS IN GW ASTRONOMY AND TESTS OF GRAVITY

ENVIRONMENTAL EFFECTS & PRIMORDIAL BLACK HOLES

MODELLING ACCRETION ONTO BLACK HOLES

INNOVATIVE DATA ANALYSIS AND SEARCH PIPELINES

INVITED SPEAKERS

A. Antonelli (JHU)
J. Bamber (Oxford)
E. Barausse (SISSA)
R. Brito (IST)
A. Chua (Caltech)
P. Cole (Amsterdam)

M. Correia (CERN)
G. Cusin (Paris)
V. De Luca (Geneva)
A. Derdzinski (Zurich)
F. Duque (IST)
P. Gupta (Kyoto)

T. Ikeda (Sapienza)
B. Kavanagh (Santander)
O. Piccinni (Barcelona)
A. Riotto (Geneva)
G. Tomaselli (Amsterdam)
R. Vicente (Barcelona)

ORGANIZING COMMITTEE

P. Astone, G. Bertone, V. Cardoso, E. Cuoco, G. Franciolini,
L. Gualtieri, P. Leaci, A. Maselli, P. Pani, L. Sberna

SCIENTIFIC SECRETARIAT

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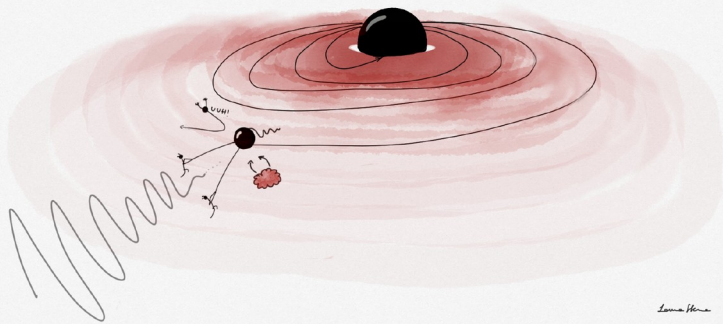
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Organizers

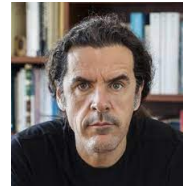
P. Astone



G. Bertone



V. Cardoso



E. Cuoco



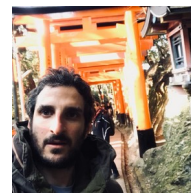
G. Franciolini



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P. Pani



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Scientific Secretariat



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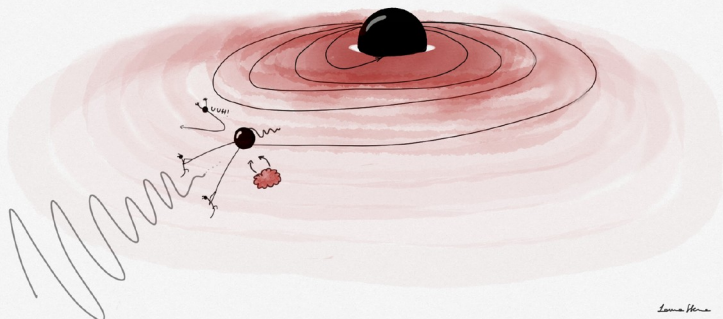
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GW astronomy: a new scientific era
contributing to the growth of a novel,
interdisciplinary community

Goal: bring together experts on GW sources
and modelling, dark matter and GW
searches, cosmology, and high-energy
astrophysics to explore possible synergies in
this emerging field.

- Overview talks (25+15 min)
- Standard talks (15+5 min)
- Lightning talks (5min)
- Discussion sessions (1hr)





Practical info on the workshop webpage

SCUOLA SUPERIORE
DI STUDI AVANZATI



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The European Consortium for Astroparticle Theory

The European Consortium for Astroparticle Theory (EuCAPT) aims to bring together the European community of theoretical astroparticle physicists and cosmologists.

Our goals are:

- to increase the exchange of ideas and knowledge;
- to coordinate scientific and training activities;
- to help scientists attract adequate resources for their projects;
- to promote a stimulating, fair and open environment in which young scientists can thrive.

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