Riccardo **Buscicchio** | Presentazioni

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Presentazioni: **30** conferenze, **10** seminari dipartimentali,

Conferenze su invito contrassegnate con *.

Conferenze e workshop:

30. *Is your stochastic signal really detectable?*.
XXVI SIGRAV conference on general relativity and gravitation, Univ. of Milano-Bicocca, Milan, Italy, 2025/09/09.

29.* *Emergence of Milky Way structure in the first year of LISA data*.
CERN UniGe Gravitational Wave meeting, Geneva, Switzerland, 2025/05/23.

28. *LISA stellar-mass black holes informed by the GWTC-3 population: event rates and parameters reconstruction*.
LISA Astrophysics Working Group Meeting 2024, Garching, Germany, 2024/11/05.

27.* *Astrophysics panel session*.
GRASP: Gravity Shape Pisa 2024, Pisa, Italy, 2024/10/24.

26.* *Beyond Gauss? A more accurate model for LISA astrophysical noise sources*.
Kavli Institute for Cosmology Seminars, Cambridge, United Kingdom, 2024/10/14.

25.* *Beyond Gauss? A more accurate model for LISA astrophysical noise sources*.
Heterogeneous Data and Large Representation Models in Science, Toulouse, France, 2024/10/01.

24. *LISA stellar-mass black holes informed by the GWTC-3 population: event rates and parameters reconstruction*.
15th International LISA Symposium, Dublin, Ireland, 2024/07/08.

23.* *LISA data analysis: from the stochastic background to the Milky Way*.
11th LISA Cosmology Working Group Workshop, Porto, Portugal, 2024/06/19.

22.* *An introduction to Bayesian Inference*.
International Pulsar Timing Array Student Week, Milan, Italy, 2024/06/17.

21.* *Statistical challenges in LISA data analysis*.
LAUTARO joint meeting, GSSI-University of Milano-Bicocca, Milano, Italy, 2024/04/17.

20. *From mHz to kHz: stochastic background implications on astrophysical sources and population reconstruction*.
LISA Astrophysics working group workshop, University of Milano-Bicocca, Milano, Italy, 2023/09/13.

19. *Non-gaussian gravitational wave backgrounds across the GW spectrum*.
XXV Sigrav conference on general relativity and gravitation, SISSA, Trieste, Italy, 2023/09/04.

18.* *LISA SGWB data analysis (session chair)*.
Data Analysis Challenges for SGWB Workshop, CERN, Geneva, Switzerland, 2023/07/19.

17.* *Global Fit and foregrounds*.
LISA SGWB detection brainstorming, Univ. of Geneva, Geneva, Switzerland, 2023/07/17.

16.* *Beyond functional forms: non-parametric methods. (panelist talk)*.
Gravitational-wave populations: What's next?, University of Milano-Bicocca, Milan, Italy, 2023/07/01.

15. *The last three years : multiband gravitational-wave observations of stellar-mass binary black holes*.
LISA Astrophysics working group workshop, University of Birmingham, Birmingham, UK, 2022/06/23.

14. *The last three years : multiband gravitational-wave observations of stellar-mass binary black holes*.
American Physical Society (APS) April meeting, New York (NY), USA, 2022/04/12.

13. *Bayesian parameter estimation of stellar-mass black-hole binaries with LISA*.
XXIV Sigrav conference on general relativity and gravitation, Urbino, Italy, 2021/09/08.

12. *Chirp: a web and smartphone application for visualization of gravitational-wave alerts*.
14th Amaldi Conference on Gravitational Waves, (online), 2021/07/21.

11.* *Search for lensing signatures in the gravitational-wave observations from the first half of LIGO-Virgo's third observing run*.
2nd EPS conference on gravitation, (online, on behalf of LVK), 2021/05/27.

10.* *Bayesian parameter estimation of stellar-mass black-hole binaries with LISA*.
LISA Data Challenge meeting, (online), 2021/06/17.

9.* *Search for lensing signatures in the gravitational-wave observations from the first half of LIGO-Virgo's third observing run*.
Webinar on behalf of the LVK collaboration, (online), 2021/05/27.

8. *Milky Way Satellites Shining Bright in Gravitational Waves*.
   13th LISA Symposium, (online), 2020/09/13.
7. *Constraining the Lensing of Binary Black Holes from Their Stochastic Background*.
   LISA Sprint workshop, CCA, Flatiron Institute, New York (NY), USA, 2020/03/04.
6. *Multiple source detection in GW astronomy: the label switching problem*.
   30th Texas Symposium, University of Portsmouth, Portsmouth, UK, 2019/12/12.
5. *Non-gaussian Stochastic background search with importance sampling*.
   LIGO, Virgo, KAGRA September meeting, Warsaw, Poland, 2019/09/01.
4. *An improved detector for non-Gaussian stochastic background*.
   Stochastic Background Data Analysis for LISA meeting, Instituto de Fisica Teorica, Madrid, Spain, 2019/06/01.
3. *Hierarchical nonparametric density estimation for population inference*.
   LIGO, Virgo, KAGRA March meeting, Winsconsin, USA, 2019/03/18.
2. *Fast Evaluation of Campbell processes N–point correlation functions*.
   Astro Hack Week: Data Science for Next-Generation Astronomy, Lorentz Center, Leiden, The Netherlands, 2018/08/01.
1. *Stochastic Gravitational Wave Background Data Analysis for Radler*.
   5th LISA Cosmology Working Group workshop, Physicum, University of Helsinki, Helsinki, Finland, 2018/06/01.

Seminari:

10.* *Fast LISA inference using Gaussian processes*.
   University of Geneva, Geneva, Switzerland, 2025/05/21.
9.* *Emergence of Milky Way structure in the first year of LISA data*.
   Department of Physics, University of Pisa, Pisa, Italy, 2025/05/16.
8.* *Statistical challenges in GW inference: an application of field theory to direct population reconstruction in LISA*.
   APP seminar, SISSA, Trieste, Italy, 2024/05/06.
7.* *GRAF: Gravitational waves data and global fit*.
   Department of Physics, University of Milano-Bicocca, Milan, Italy, 2023/12/14.
6.* *LISA global inference: statistical and modelling challenges for the Milky Way*.
   Max Planck Institute for Astrophysics, Garching, Germany, 2023/11/29.
5.* *LISA Global inference: modelling, statistical, and computational challenges*.
   Department of Physics, University of Pisa, Pisa, Italy, 2023/10/04.
4.* *Gravitational waves in the many sources, many detectors era*.
   Institute for Mathematics and Physics, University of Stavanger, Stavanger, Norway, 2022/09/29.
3.* *Stellar mass binary black holes : what, when, and where*.
   Astroparticule et cosmologie, Universitè Paris Citè, Paris, France, 2022/06/12, (online).
2.* *The last three years: multiband gravitational-wave observations of stellar-mass binary black holes*.
   Physics Department, Columbia University, New York (NY), USA, 2022/04/07.
1.* *Set the alarm : Bayesian parameter estimation of stellar-mass black-hole binaries with LISA*.
   Sun Yat-sen University, Zhuhai, China, 2021/07/30, (online).

Divulgazione:

5. *Onde gravitazionali: ascoltare l'Universo anzich'e solo guardarlo*.
   University of Milano-Bicocca, Milan, Italy, 2024.
4. *An orchestra of lasers and gravitational waves*.
   Pint of Science 2024, Milan, Italy, 2024.
3. *Gravitational-waves in space and on Earth*.
   Manchester Museum of Science and Industry, Manchester, UK, 2018.
2. *An orchestra of lasers and gravitational waves*.
   Manchester Museum of Science and Industry, Manchester, UK, 2018.
1. *A Universe of waves*.
   Science Caf'e, Italy, 2018.