Lorenzo Speri | Presentations

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Presentations: 13 talks at conferences, 8 talks at department seminars.

Invited talks marked with *.

Talks at conferences:

- **13.** Prospects and Challenges of the Laser Interferometer Space Antenna. Space Science Workshop 17, Akersloot, Netherlands, 2025/02/12.
- **12.*** LISA data analysis highlight. LISA-Netherlands Community Day, Nikhef, Amsterdam, 2024/10/10.
- **11.** FastEMRIWaveforms: Waveform package for asymmetric binaries. 15th LISA Symposium, Dublin, Ireland, 2024/07/09.
- **10.*** Challenges and prospects of future Pulsar Timing Array analyses. 11th LISA Cosmology Working Group Workshop, Porto, Portugal, 2024/06/20.
- **9.*** Gravitational self-force: The two-body problem in the small mass ratio limit. GWnext 2024, Bejing, China, 2024/03/05.
- **8.*** Testing General Relativity with LISA observations. Asymmetric Binaries Meet Fundamental Astrophysics, L'Aquila, Italy, 2023/09/22.
- 7. Beyond vacuum Extreme Mass Ratio Inspirals.1st Trieste Meeting on the Physics of Gravitational Waves, Trieste, Italy, 2023/06/09.
 - Tutorial session.
- **6.** Fast EMRI Waveform package: New tools for millihertz gravitational-wave data analysis. LISA data analysis workshop: from classical methods to machine learning, Toulouse, France, 2022/11/25.
- 5.* GPU Techniques to Accelerate GW Waveforms and Data Analysis Computations.
 LISA data analysis workshop: from classical methods to machine learning, Toulouse, France, 2022/11/25.
 Tutorial session.
- Probing accretion disk physics with Extreme Mass Ratio Inspirals.
 25th Capra Meeting on Radiation Reaction in General Relativity, Dublin, Ireland, 2022/06/23.
- 3. Testing General Relativity with Extreme Mass Ratio Inspirals. EuCAPT Workshop: Gravitational wave probes of black hole environments, Rome, Italy, 2022/06/16.
- Assessing the impact of transient orbital resonances.
 24th Capra Meeting on Radiation Reaction in General Relativity, Online, 2021/06/11.
- Pulsar selection methods.
 EPTA spring meeting, Online, 2021/03/24.

Talks at department seminars:

- **8.*** Science with asymmetric binaries.
 - University of Southampton, Southampton, 2025/03/05.
- **7.*** Millihertz Gravitational Waves: Challenges and Opportunities in the LISA Era. Perimeter Institute, Waterloo, 2025/01/30.
- **6.** The Dark Symphony of the Universe: Gravitational Waves. European Space Research and Technology Centre (ESTEC), Noordwijk, 2025/01/14.
- **5.*** Challenges of LISA Data Analysis. Institute for Gravitational and Subatomic Physics (GRASP), Utrecht, 2024/12/11.
- **4.*** Gravitational Wave Observations in the Millihertz Regime: Prospects and Challenges of the Upcoming LISA Mission. GRAPPA Colloquium, Amsterdam, 2024/11/11.
- **3.*** With great precision comes great challenges: Gravitational Wave Observations of Extreme Mass Ratio Inspirals. TAPIR Seminar, Caltech, Pasadena, 2023/12/08.
- **2.*** Probing Accretion Physics with Gravitational Waves. OzGrav Seminar, online, 2023/08/11.
- Extreme Mass Ratio Inspiral Waveforms in a nutshell. of Amsterdam, Amsterdam, Netherlands, 2023/01.
 - Two tutorial sessions of two hours each.