

Mathematical Methods for the General Relativistic Two-body Problem (11 Aug 2025–15 Aug 2025)

| Name & Affiliation | Talk Title |
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| Laura Bernard Observatoire de Paris-PSL, France | Analytical Modeling of Gravitational Waves: A Recent View on the post-Newtonian Framework |
| Beatrice Bonga Radboud University, Netherlands | Dynamical Tidal Resonances in EMRIs |
| Alexander Burke University of Glasgow, UK | Next Steps: Addressing the Potential for Systematic and Probabilistic Biases in EMRI Inference |
| Christian Chapman-Bird University of Birmingham, UK | Fast EMRI Waveforms: Fast Waveform Generation for Asymmetric-mass Binaries |
| Geoffrey Compere Université Libre de Bruxelles, Belgium | Hybrid Post-Newtonian/Self-force inspiral and Transition-to-plunge Waveforms |
| Curt Cutler NASA Jet Propulsion Laboratory, USA | Building an Efficient EMRI Search Algorithm |
| Sam Doland The University of Sheffield, UK | Metric Reconstruction on Kerr Spacetime in Lorenz Gauge |
| Lisa Drummond California Institute of Technology, USA | Why Matter Matters: Astrophysical Environments of EMRIs |
| Jonathan Gair Albert Einstein Institute, Germany | The Prospects and Challenges of Science with LISA EMRI Observations |
| Anna Heffernan University of Balearic Islands, Spain | LISA and the LISA Science Team |
| Oliver Long Albert Einstein Institute, Germany | Putting the Hype in Hyperbolic Black Hole Scattering |
| Phillip Lynch Albert Einstein Institute, USA | The DDPC and EMRI Waveform Modelling: Structure, Roles, and Roadmap |
| Rodrigo Panosso Macedo Niels Bohr Institute, Denmark | The Hyperboloidal Framework in Black Hole Perturbation Theory |
| Zachary Nasipak University of Southampton, UK | Computational Advances in Self-force: Building a Bridge between Theory and Waveform Modeling |

| Name & Affiliation | Talk Title |
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| Adam Pound University of Southampton, UK | Second-order Self-force: State of Play |
| Andrew Spiers University of Nottingham, UK | Fix the Frame, Resolve the Memory: The Bondi–Sachs Gauge in Black Hole Perturbation Theory |
| Leo Stein The University of Mississippi, USA | Memory and Hybridization for Connecting the Numerical and Analytical Two-body Problem |
| Vojtech Witzany Charles University in Prague, Czech Republic | Integrability of the Relativistic Two-body Problem |
| Huan Yang Tsinghua University, China | Probing Formation Channels of Extreme Mass-ratio Inspirals |