Session Program

Nov 5 – 7, 2024

LISA Astrophysics Working Group Meeting 2024

Pre-LISA EM

Max Planck Institute for Astrophysics (MPA), E.0.11
Karl-Schwarzschild-Straße 1, 85748 Garching bei München, Germany

Wed, November 6

2:00 PM

Pre-LISA EM: Galactic Binaries and Multiples

Session |
Location: Max Planck Institute for Astrophysics (MPA), 401 (Old lecture hall), Karl-Schwarzschild-Straße 1, 85748 Garching bei München, Germany |
Conveners: Jan van Roestel, Alekzander Kosakowski

2:00 – 2:05 PM **Current sample of verification binaries (online)**

Speaker
Thomas Kupfer

2:05 – 2:15 PM **Update from the double-lined double white dwarf survey (online)**

Speaker
James Munday

2:15 – 2:25 PM **Updates on the BlackGEM project**

Speaker
Jan van Roestel

2:25 – 2:35 PM
The Vera Rubin Observatory: how optical time domain surveys are revolutionizing LISA multi-messenger astrophysics (online)

Speaker
Kevin Burdge

2:35 – 2:45 PM **Update from ESO**

Speaker
Vincenzo Mainieri

2:45 – 2:55 PM
LISA verification binaries from the LISA data analysis perspective (online)

Speaker
Tyson Littenberg

2:55 – 4:00 PM **General discussion**

Speaker
All participants

4:00 PM

2:00 PM

Pre-LISA EM: Massive Black Hole Binaries

Session |
Location: Max Planck Institute for Astrophysics (MPA), E.0.11, Karl-Schwarzschild-Straße 1, 85748 Garching bei München, Germany |
Convener: Alessandra de Rosa & Delphine Porquet

2:00 – 2:13 PM
Observational search for the parent population of the merging BHs and GWs

Speaker
Giulia Tozzi

2:13 – 2:26 PM **Cosmic Duets: Decoding Gravitational Waves with Dual AGN**

Speaker
Martina Scialpi

2:26 – 2:39 PM **The properties of progenitors of the merging SMBH**

Speaker
Filippo Mannucci

2:39 – 2:52 PM

Strategies to identify LISA MBH binary precursors in large EM catalogues

Speaker
Massimo Dotti

2:52 – 3:05 PM

Electromagnetic signatures from accreting massive black hole binaries in time domain photometric surveys (Online)

Speaker
Fabiola Cocchiararo

3:05 – 3:18 PM

Discovery of a Tight Binary Black Hole System Revealed via Quasi-Periodic Outflows

Speaker
Francesco Tombesi

3:18 – 3:31 PM **The last electromagnetic breath of binary black holes (Online)**

Speaker
Raphaël Mignon-Risse

3:31 – 3:44 PM

Supermassive black hole binaries as multimessenger sources: Properties of SMBHB X-ray spectra (Online)

Speaker
Julie Malewicz

3:44 – 3:57 PM

A New Diagnostic to distinguish between binary and single supermassive black holes using broad emission lines (Online)

Speaker
Ziming Ji

4:00 PM