

Session Program

20 juin 2025

Journée LISA à Toulouse

Contributed talks and discussions

IRAP, Salle Coriolis

ven. 20 juin

09:30

Contributed talks and discussions: Morning

Session | Site: IRAP, Salle Coriolis

09:30 – 09:40 **Welcome and introduction****Orateurs**

Nicola Tamanini, Olivier GODET

09:40 – 10:10 **Les défis optiques pour LISA****Orateur**

Christelle Buy

10:10 – 10:40 **Q&A and discussion on LISA optical design and challenges**10:40 – 11:10 **Coffee break**11:10 – 11:40 **Presentation and status of the LISA DDPG****Orateurs**

Anne-Therese Nguyen, Antoine Basset

11:40 – 12:00 **Assessing the impact of mismodeled gaps in LISA data analysis****Orateur**

Sylvain Marsat

12:00 – 12:30 **Discussion on LISA data analysis and DDPG**

12:30

14:00

Contributed talks and discussions: Afternoon

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14:00 – 14:20 **Disentangling the Gravitational Symphony: Machine Learning for LISA's Global Fit****Orateur**

Antsa Rasamoela

14:20 – 14:40 **Algorithmic breakthroughs for the acceleration of LISA's data processing****Orateur**

Tanguy DELMOND

14:40 – 15:00 **A parametrized test of General Relativity applied to LISA Massive Black Hole Binaries****Orateur**

Manuel Piarulli

15:00 – 15:20

The influence of the acceleration produced by the third celestial body on black hole binaries**Orateur**

ZHENG WU

15:20 – 15:50 **Coffee break**15:50 – 16:10 **Cosmology with the massive black hole population**

Orateur
Vasco Gennari

16:10 – 16:30 GWs in cosmology, the galaxy catalogue method

Orateur
Arnaud KEUMURIAN

16:30 – 16:50 Inference of cosmological parameters from the stochastic gravitational wave background

Orateur
Irene IORIO

17:00