

LISA-Spain Meeting 2025



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Spain's Contribution to the LISA Payload: The Science Diagnostics Subsystem

Friday 24 October 2025 10:25 (35 minutes)

In this talk, I will present the Science Diagnostics Subsystem (SDS), which constitutes the Spanish payload contribution to LISA. After outlining its motivation and architecture, I will describe its key elements: temperature sensors and actuators, low- and audio-frequency magnetometers, and a radiation monitor. I will summarise the current development status and highlight the next milestones, including the ILIADA in-orbit demonstrator mission, which will validate critical SDS technologies.

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Session Classification: Invited talks