

Preparing LISA : Status of the mission and technical activities in France

vendredi 11 octobre 2019 09:00 (15 minutes)

LISA is presently undergoing many technical studies to assess its feasibility (Phase A), at ESA, but also in the different countries contributing to the instrument. In France, the foreseen contributions are on the Data Processing Center, the integration and tests (AIVT) of the Instrument and the maintenance of the scientific performance model. In this presentation, I'll briefly summarise the status of LISA (at ESA, NASA and on the European Consortium) and focus mostly on the technical activities presently performed in France. In particular, I'll describe the undergoing project of developing an ultra stable optical bench for demonstrating the feasibility and achievable performance of the instrument characterisation during the instrument AIVT. This experiment is also an opportunity to set up a large French collaboration around the LISA instrumentation, in view of the development of more ambitious optical bench for the LISA instrument models AIVT, which will start as early as 2021/2022.

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Classification de Session: Groupe de travail: Développement des détecteurs