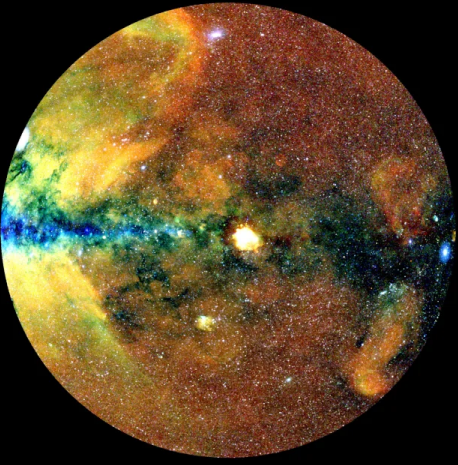


Spanish participation in X-ray observatories: past, present and future



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SEA


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The symposium will showcase the Spanish participation in (and exploitation of) X-ray observatories from the past to the present, also looking out to the future.

SOC

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KEYWORDS: X-ray Astronomy; X-ray instrumentation, X-ray archival data; high energy astrophysics; accreting objects, black holes; gamma rays bursts; supernova explosions

SUMMARY: The symposium will showcase the Spanish participation in (and exploitation of) X-ray observatories from the past to the present, also looking out to the future. Encompassing a broad spectrum, our discussions will span including the development of instrumentation, for instance for WFM/eXTP (IEEC) or THESEUS/SXI (INTA) XGIS (University of Valencia), as well as the development of on-board software, one example is SIRENA for Athena. Additionally, the symposium will delve into the exploitation of X-ray observations archival data via advanced software enabling real-time tracking of the X-ray transient sky through machine-learning methodologies. More simulations will take centre stage covering a breadth of topics from accreting compact objects such as black holes, neutron stars, the hot gas around clusters of galaxies, distant gamma-ray bursts, supernova explosions and remnants, stars, white dwarfs, exoplanets and their parent stars, and the interstellar medium.

SOC: Silvia Martínez Núñez (IFCA), chair; María D. Caballero-García (IAA), chair; Amalia Corral Ramos (IAA), chair; Rosario Gonzalez Riestra (ESA-ESAC); Margarita Hernanz (ICE-CSIC, IEEC); Giovanni Miniutti (CAB); José Miguel Torrejón (Universidad de Alicante); Nanda Rea (ICE-CSIC, IEEC); Alicia Rouco Escorial (ESA/ESAC)

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