



ATHENA X-IFU

MEDIA KIT

ABOUT

In a nutshell

The X-IFU is a revolutionary X-ray spectrometer. It is one of the two instruments of the European Space Agency's future space telescope, Athena (Advanced Telescope for High Energy Astrophysics). With its X-ray eyes, the X-IFU will observe the hot and energetic Universe, a world of clusters of galaxies, black holes, and exploding stars.

Key scientific goals

The X-IFU combines high spectral resolution with high quality imaging. Thanks to its unprecedented capabilities, it will enable astrophysicists to answer some of our most burning questions about space. They will extract breakthrough informa-

tion about the formation and evolution of the large structures of matter observed in the Universe. They will also expand our knowledge about the birth and life of black holes, along with how they interact with the galaxies in which they live.

An international consortium

The X-IFU is developed by an international consortium, coordinated in France by IRAP, the research institute in astrophysics and planetology, and CNES, the French space agency. The X-IFU consortium gathers about 300 engineers and researchers across 13 countries, 11 ESA member states, as well as the United States (NASA) and Japan (JAXA).

CONTACT

X-IFU Communication Office
xifu@irap.omp.eu



xifu.irap.omp.eu



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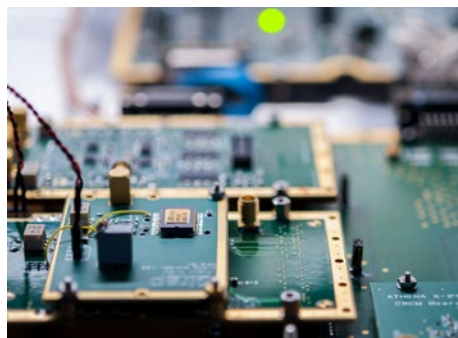
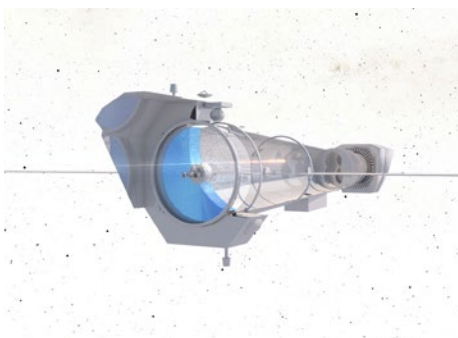
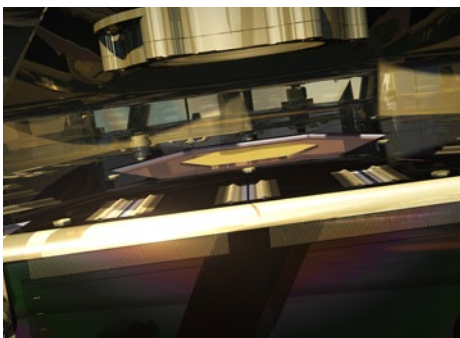
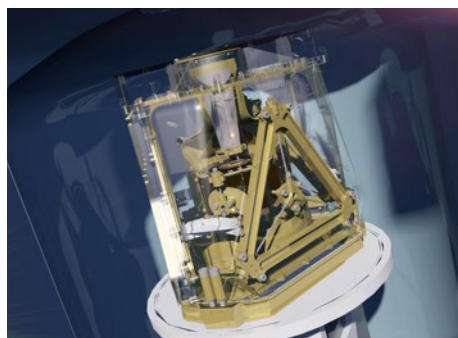
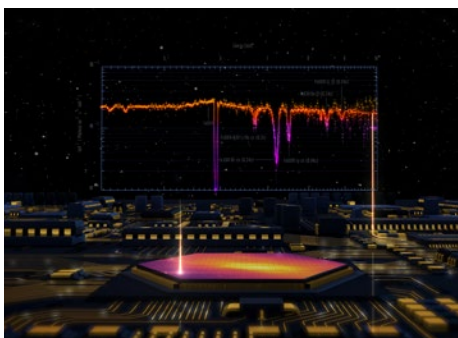
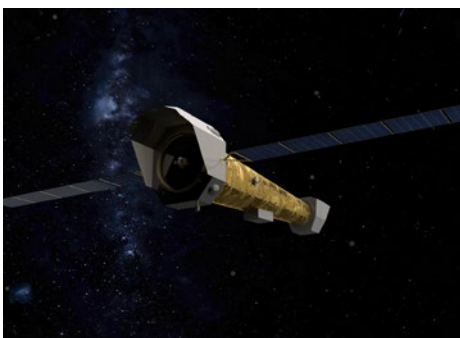


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VIDEOS

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