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A broadband X-ray imaging spectroscopy in the 2030s: the FORCE mission

21 July 2022 • 14:35 - 14:50 | Room 523

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Abstract

Authors

We present the Focusing on Relativistic universe and Cosmic Evolution (FORCE) mission, the product of a JAXA/NASA collaboration. The FORCE mission will achieve 10 times higher sensitivity in the hard X-ray band in comparison to any previous hard X-ray mission. FORCE aims to be launched in the early 2030s, as a perfect hard X-ray complement to Athena. FORCE provides broadband (1-79 keV) X-ray imaging spectroscopy with high angular resolution (<15"). FORCE will be the most powerful X-ray probe for discovering obscured/hidden black holes and studying high energy particle acceleration in our Universe.

Presenter

Koji Mori
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Prof. K. Mori is a researcher working on X-ray astronomy. He has been developing the X-ray CCD cameras onboard Suzaku, Hitomi, and XRISM. He is currently proposing a next generation X-ray observatory, FORCE.

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