

XRISM: the new X-ray observatory with unprecedented resolution

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A new era of high-resolution X-ray spectroscopy is upcoming. This spring, the JAXA/NASA (with SRON/UniGe/ESA participation) XRISM mission will be launched.

As already revealed by the short-lived Hitomi mission, the new vision on an energy band never explored before at high resolution, will bring transformational results.

In particular, the X-ray calorimeter, Resolve, will bring new insight on accretion and ejection in supermassive black holes, cluster of galaxy gas dynamics and supernova remnant ejecta, not to mention the many other possible science cases on stars, the interstellar medium, galaxies... In this talk, I will illustrate the capabilities of XRISM and the opportunity it will bring to the whole scientific community.

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