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The X-Ray Imaging and Spectroscopy Mission (XRISM)

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The X-Ray Imaging and Spectroscopy Mission (XRISM) is a JAXA/NASA X-ray observatory with collaboration from ESA and several institutes and academic institutions worldwide. It is proposed to fulfill the promise of high-resolution X-ray spectroscopy with imaging once realized but unexpectedly terminated by a mishap of ASTRO-H/Hitomi. XRISM carries two sets of X-ray Mirror Assemblies and is equipped on the focal plane with a 6 x 6 pixelized X-ray micro-calorimeter array and an aligned X-ray CCD camera. With the combination of high-resolution spectroscopy imaging and the broader field of view, XRISM is expected to pioneer a new horizon of the Universe in X-ray astrophysics. Aiming to launch the satellite in Japanese Fiscal Year 2022, we are proceeding production of components and integration of the satellite. I will report the development status, reviewing the science objectives and the operation plan.

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