

# X-ray instrumentation to observe the hot and energetic Universe

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What instrumentation is needed to observe the X-rays generated in the hot Universe?

The next generation of wide-area, sensitive X-ray surveys designed to map the hot and energetic Universe has arrived, thanks to eROSITA (extended ROentgen Survey with an Imaging Telescope Array), the core instrument on the Russian-German Spektrum-Roentgen-Gamma (SRG) mission. eROSITA's high sensitivity, large field of view, high spatial resolution and survey efficiency is bound to revolutionize X-ray astronomy and deliver large legacy samples for many classes of astronomical objects in the energy range 0.2-8 keV. I will present an overview of the instrument capabilities, the current status of the mission, and a few selected early science results.

**Primary author:** PREDEHL, Peter (Max-Planck-Institut für extraterrestrische Physik)

**Presenter:** PREDEHL, Peter (Max-Planck-Institut für extraterrestrische Physik)

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