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eROSITA on SRG: Mission status and AGN Surveys first results ANDREA MERLONI, MPE

eROSITA (extended ROentgen Survey with an Imaging Telescope Array) is the core instrument on the Russian-German Spektrum-Roentgen-Gamma (SRG) mission, successfully launched in July 2019, and undertaking a multi-pass survey of the whole sky in the soft X-rays (0.2-8 keV) energy range. The high sensitivity, large field of view, high spatial resolution and high survey efficiency of eROSITA is bound to revolutionize X-ray astronomy and deliver large legacy samples for many classes of astronomical objects. I will present an overview of the instrument capabilities, the current status of the mission, a few early science results with particular emphasis on the study of Active Galactic Nuclei and supermassive black holes.