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Towards a joint X-ray and gamma-ray analysis of Pulsar Wind Nebulae with Gammapy

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For detailed studies of Pulsar Wind Nebulae (PWNe), objects that show photon emission across the entire electromagnetic spectrum, multiwavelength analyses are crucial. The comparison of especially X-ray and gamma-ray emission and their angular sizes can help us to constrain the properties of PWNe, such as their particle transport mechanism or their potential for the acceleration of hadronic particles.
In this vein we are working towards a joint analysis of eROSITA X-ray data and H.E.S.S. gamma-ray data. To enable this process eROSITA data is adapted into the framework of Gammapy, a Python package for gamma-ray analysis through a multi-step process of adapting the formats of not only the photon event list, but also all X-ray response functions, into open data formats compatible with Gammapy. This is accomplished using custom newly developed Python converter functions.
In this contribution we present the first eROSITA maps of the PWN MSH 15-52 in Gammapy, which we compare to the associated H.E.S.S. emission, whilst detailing the process of X-ray response format conversion and map creation in gammapy.

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