

The 2nd LHAASO SYMPOSIUM

21-24 MARCH 2025  
HONG KONG, CHINA



Contribution ID: 178

Type: not specified

## Galactic center and large scale diffuse X-ray emission

*Friday, 21 March 2025 15:40 (20 minutes)*

Observations in the X-ray band provide a powerful tool for investigating the origin of ultra-high-energy sources, offering crucial insights into the synchrotron radiation these sources produce. In this review, I will highlight recent advancements in our understanding achieved through observations with the eROSITA telescope, focusing on its contributions to the study of large-scale diffuse X-ray emission and the constraints it has placed on the X-ray properties of ultra-high-energy sources. Furthermore, I will focus on the X-ray emission from the central degree of the Milky Way, examining its various components and exploring potential counterparts of very-high-energy sources in the Galactic center region.

**Presenter:** PONTI, G.

**Session Classification:** Friday Afternoon A