

What can we learn from the XMM source catalog ?

mercredi 15 octobre 2025 11:30 (20 minutes)

The 4XMM catalogue contains more than 20 years of X-ray observations. However, exploiting this data on the catalogue scale is not straightforward since most of the automatically extracted sources do not have a precise classification. Our aim is to use machine learning, specifically a variational autoencoder, to embed the sources in a latent space that is more suitable for exploring and classifying the sources and finding exotic objects.

Auteur: DUPOURQUÉ, Simon (GAHEC)

Orateur: DUPOURQUÉ, Simon (GAHEC)