

# Prospects for the detection of high-energy gamma rays from extended sources

*Monday 3 June 2024 16:35 (20 minutes)*

Very high energy astrophysics has got a boost in the recent years driven by the development of new observational facilities such as LHAASO, which started observing in the last few years, and CTAO and ASTRI-MiniArray, which are under construction. A key question that these instruments plan to address is the identification of hadronic PeVatrons, namely the most powerful particle accelerators in the Galaxy. In my talk I will overview the main Galactic gamma-ray sources, and give the prospects for detections of these, with a special focus on the performance of the next generation detectors towards morphological and spectroscopical studies.

## **sessioni congresso**

Astrofisica relativistica e particellare

**Primary author:** PERON, Giada (Istituto Nazionale di Astrofisica (INAF))

**Presenter:** PERON, Giada (Istituto Nazionale di Astrofisica (INAF))

**Session Classification:** Astrofisica Relativistica e Particellare