



Contribution ID: 929

Type: **Parallel Talk**

Supernova remnants in the very-high-energy sky: prospects for CTA

Thursday 6 July 2017 15:42 (18 minutes)

The Cherenkov Telescope Array is expected to lead to the detection of many new supernova remnants in the TeV and multiTeV range. In addition to the individual study of each, the study of these objects as a population can help constraining the parameters describing the acceleration of particles and increase our understanding of the mechanisms involved. Using Monte Carlo methods, the population of Galactic SNRs emitting TeV gamma rays can be simulated. The simulated population can be confronted with future observations to provide a novel test for the SNR hypothesis.

Experimental Collaboration

CTA

Primary author: CRISTOFARI, Pierre (Columbia University)**Presenter:** CRISTOFARI, Pierre (Columbia University)**Session Classification:** Astroparticle physics**Track Classification:** Astroparticle Physics