

# Executive Summary of #1430: Gamma-ray Observation of SNR G106.3+2.7 with the Tibet Air Shower Array

What is this contribution about?

This presentation is about the gamma-ray observation of SNR G106.3+2.7 with the Tibet air shower array in the 100 TeV energy region.

Why is it relevant / interesting?

It is interesting because SNRs are a promising candidate of a PeVatron, an astrophysical source in the Galaxy that accelerates cosmic rays beyond PeV energies.

What have we done?

We measured the source location and the energy spectrum of gamma rays above 10 TeV.

What is the result?

The source location is coincident with a molecular cloud and the gamma-ray energy spectrum extends beyond 100 TeV, which indicates that SNR G106.3+2.7 is likely to be a PeVatron at the present time.