Contribution ID: **1430** Type: **Talk**

Gamma-ray Observation of SNR G106.3+2.7 with the Tibet Air Shower Array

Wednesday 14 July 2021 13:00 (12 minutes)

We have been observing cosmic rays and gamma rays above TeV energies with an air shower (AS) array located in Tibet, China at an altitude of 4,300 m and in operation since 1990. In 2014 we added to the air shower array an underground muon detector (MD) array that enables us to observe gamma-ray-induced air showers with far better sensitivity than before, suppressing background cosmic-ray events by counting the number of muons contained in air showers. The background rejection power is typically estimated at 99.9% above 100 TeV. In this presentation, we report the observation of very-high-energy gamma-ray emissions from supernova remnant G106.3+2.7 using the data taken by the Tibet AS array and the MD array.

Keywords

Gamma rays, G106.3+2.7

Collaboration

other Collaboration

The Tibet ASgamma Collaboration

Subcategory

Experimental Results

Primary authors: OHNISHI, Munehiro (ICRR, University of Tokyo); FOR THE TIBET ASGAMMA COLLABORATION

Presenter: OHNISHI, Munehiro (ICRR, University of Tokyo)

Session Classification: Discussion

Track Classification: Scientific Field: GAI | Gamma Ray Indirect