

Observation of Ultra-High-Energy Diffuse Gamma Rays from the Galactic Plane with the Tibet Air Shower Array (#301)

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Executive Summary



- ✓ **What is this contribution about?** - This contribution reports on the observation of sub-PeV diffuse γ -rays from the Galactic plane.
- ✓ **Why is it relevant / interesting?** - This observation is relevant and interesting to investigate the cosmic-ray propagation and the cosmic-ray origin “PeVatron”.
- ✓ **What have we done?** - We have succeeded in drastically reducing the cosmic-ray background events with the underground muon detectors.
- ✓ **What is the result?** - Detection of sub-PeV diffuse γ -rays gives strong evidence for the existence of the PeVatrons in our Galaxy.