

Pulsars as astrophysical TeV gamma-ray sources

Monday, 23 November 2020 13:40 (0:20)

Content

Pulsars are powerful accelerators known to emit gamma rays in the GeV energy range. And while no pulsed TeV emission appears to be produced in the magnetosphere, there is increasing evidence that pulsars power extended gamma-ray emission producing TeV haloes. We'll review pulsar processes leading from particle acceleration in the magnosphere to wind nebulae and TeV haloes.

Summary

Pulsars are powerful accelerators known to emit gamma rays in the GeV energy range. And while no pulsed TeV emission appears to be produced in the magnetosphere, there is increasing evidence that pulsars power extended gamma-ray emission producing TeV haloes. We'll review pulsar processes leading from particle acceleration in the magnosphere to wind nebulae and TeV haloes.

Primary author(s) : Dr. CARRAMINANA, Alberto (INAOE)

Co-author(s) : Dr. ALVAREZ OCHOA, Cesar (Facultad de Ciencias Fisico Matematicas Benemerita Universidad Autonoma de Puebla)

Presenter(s) : Dr. CARRAMINANA, Alberto (INAOE)