

Study of the gamma-ray state changes of PSR J2021+4026 with *Fermi*-LAT

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What is this contribution about?

We present a *Fermi*-LAT analysis of the variable gamma-ray pulsar PSR J2021+4026, which is known for its repeated and abrupt state changes.

Why is it relevant / interesting?

A detailed analysis of this unique pulsar will provide us further insight into the dynamics of pulsar magnetospheres.

What have we done?

We used *Fermi*-LAT data to study the evolution of gamma-ray flux, spectrum and timing on different timescales, focusing on variations across state changes.

What is the result?

The results show significant changes in both gamma-ray emission and rotational parameters, linking the cause of the observed events to the global structure of the pulsar.