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Type: Talk

The time-domain gamma-ray sky seen by the Fermi-LAT

Wednesday, July 12, 2023 4:00 PM (20 minutes)

The Fermi Gamma-ray Space Telescope is currently celebrating its 15th anniversary of operation. Since its launch, the Fermi-Large Area Telescope (LAT), the main instrument onboard the Fermi satellite, has remarkably unveiled the sky at GeV energies providing outstanding results in time-domain gamma-ray astrophysics. In particular, LAT has observed some of the most powerful transient phenomena in the Universe (such as gamma-ray bursts, blazar flares, magnetar flares, ...) enabling the possibility to test our current understanding of the laws of physics in extreme conditions.

In this talk I will review some of the main recent results with a focus on the transient phenomena seen by LAT with a multi-wavelength and multi-messenger connection.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

Fermi-LAT

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

Yes

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