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A Fermi-LAT view of the sky below 100 MeV

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The Large Area Telescope (LAT) collaboration has recently completed the development of the "Pass 8" event-level analysis that provides a comprehensive revision of the algorithms used for event reconstruction and particle identification. Among other performance improvements, Pass 8 provides a drastic increase in the effective area of the LAT instrument below 100 MeV. Together with a better modeling of the instrument's energy response function, Pass 8 gives us the opportunity to look with the LAT at the hardly known 10-100 MeV range. In this talk we will summarize the main technical improvements and show preliminary science results obtained below 100 MeV.

Collaboration

FERMI

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