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Fermi LAT observations of gamma-ray pulsars

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Observations of the gamma-ray sky with the Large Area Telescope (LAT) on the Fermi satellite have revealed significant pulsations from about 150 young and recycled, millisecond pulsars. These observations have shown that pulsars are by far the largest source class in the Galactic plane at GeV energies, and new pulsars are still continuously being found at the locations of LAT sources with no known counterparts, especially in the radio domain. In this presentation I will give an overview of the main results from pulsar observations with the Fermi LAT and from multi-wavelength studies of unassociated LAT sources likely to contain pulsars. I will also discuss some of the implications of the results in terms of emission properties and population statistics.

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