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Fermi's view of the gamma-ray sky above 10 GeV

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We present some of the main results from the Third Catalog of Hard Fermi-LAT Sources (3FHL). This catalog, based on the first 7 years of LAT data using the Pass 8 event-level analysis, contains 1556 sources characterized in the 10 GeV–2 TeV energy range. The sensitivity and angular resolution are improved by factors of 3 and 2 relative to the previous LAT catalog in this energy range (1FHL). Most 3FHL sources (79%) are extragalactic, while 9% are Galactic and 12% are unassociated (or associated with a source of unknown nature). The catalog includes 214 new gamma-ray sources. The 3FHL catalog provides an excellent opportunity to relate observations from space to those accessible from the ground (e.g. HESS, MAGIC, VERITAS, HAWC), including in the near future with the Cherenkov Telescope Array.

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