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The Quiet Sun with Fermi LAT

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The gamma rays from the non-flaring Sun as daily observed by the Fermi Large Area Telescope (LAT) are supposed to originate by continuous bombardment and interactions of Galactic cosmic rays with the solar surface and its surroundings.

We present our latest studies and unexpected discoveries and we discuss challenges between observations and theoretical expectations.

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Session Classification: Searches for Galactic astrophysical sources