

Recent Gamma-ray Results from DAMPE

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DARK Matter Particle Explorer (DAMPE), a space-borne high energy cosmic ray and gamma-ray detector, has surveyed the whole sky for five years and collected more than 220,000 photons above 2 GeV since the launching on Dec. 17, 2015. Based on the 5-yr DAMPE observation, we have detected more than 200 gamma-ray sources and the Fermi Bubbles. With the excellent energy resolution, DAMPE has an advantage in searching for gamma-ray line structures. We have set constraints on the annihilation cross-section or decay lifetime for dark matter.

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Gamma rays

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