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TeV gamma-ray sources in the Galaxy

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The current generation of imaging atmospheric Cherenkov telescopes, complemented by ground-based particle detector arrays, have demonstrated that our Galaxy plays host to a wide variety of particle accelerators. These include supernova remnants, compact object binary systems and star forming regions, as well as pulsars and their extended nebulae and haloes. Bright TeV gamma-ray emission from the central region of the Galaxy is also observed, both spatially coincident with the supermassive black hole and along an extended ridge structure. Observations of these objects in the TeV band reveal a range of spatial, temporal and spectral features through which to understand the underlying acceleration and emission processes. We will provide a brief overview of these results, and focus upon recent observations of some of the more interesting individual sources.

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