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## Searching for dark matter emission with highly energetic cosmic messengers

*Wednesday 2 December 2020 14:40 (30 minutes)*

Indirect dark matter detection is a powerful search method that allows to explore a very wide range of the dark matter mass spectrum. I will present our recent results in which we exploit multi-messenger astrophysical observations to explore the allowed parameter space for various archetypal dark matter candidates with masses in the range 10 GeV to  $10^{16}$  GeV. Throughout my talk, I will explain our efforts to account for the systematic astrophysical uncertainties impacting our results.

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