

On Fermi-LAT, H.E.S.S. and the Cherenkov Array Telescope Sensitivity to Dark Matter Annihilation

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I discuss how one can extend Fermi-LAT and H.E.S.S. limits on gamma-ray lines from dark matter annihilation to energies larger than currently accessible. Moreover, I present Fermi-LAT, H.E.S.S. and the Cherenkov Array Telescope sensitivity to neutrino signals and show that we have already entered into a new era where gamma-ray telescopes are more sensitive than neutrino detectors to neutrino lines from dark matter annihilation with the potential to distinguish the flavor of the final state neutrinos.

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