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Effects of low boosted dark matter annihilation on galactic signals

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Indirect dark matter experiments probe dark matter properties by searching for the products or other observables that result from interactions, rather than measuring dark matter directly. Here we consider a two-component dark matter model where observable indirect signals are produced from lightly boosted dark matter particles produced from a more traditional dark matter candidate. In this model, additional signal dependencies arise based on galactic size which can help alleviate the developing tension between the galactic center excess and dwarf galaxy measurements.

Mini Symposia (Invited Talks Only)

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