

Particle Physics on the Plains 2023



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The Power of the Dark Sink

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I will present a novel, simple possibility with broad implications for the predicted signals of non-thermal dark matter (DM) production scenarios: the Dark Sink. The addition of this dark-sector entropy sink may significantly increase the expected signals as I will demonstrate for well-known direct detection benchmarks with $\mathcal{O}(\text{MeV}) - \mathcal{O}(\text{TeV})$ DM.

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