

Phenomenology 2019 Symposium



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Mirror Sectors and Mirror Stars

Tuesday 7 May 2019 17:45 (15 minutes)

Mirror sectors – hidden sectors that are approximate copies of the Standard Model – are a generic prediction of many models, notably the Mirror Twin Higgs model. Such models can have a rich cosmology and many interesting detection signatures beyond the realm of colliders. In this talk, I will focus on the possibility that mirror matter can form stars which undergo mirror nuclear fusion in their cores. I will discuss the mechanisms by which these objects can emit Standard Model light and estimate their luminosity and prospects for their detection.

Summary

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