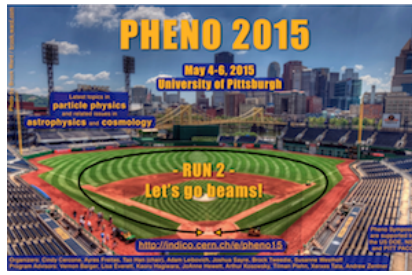


Phenomenology 2015 Symposium



Contribution ID: 74

Type: **parallel talk**

Dark Matter in Leptophilic SUSY

Tuesday, 5 May 2015 15:30 (15 minutes)

In this talk I discuss the phenomenology of the Leptophilic two-Higgs Doublet model and Leptophilic SUSY, and its implications for dark matter physics. Such models allow for viable dark matter candidates while offering interesting phenomenology in the extended Higgs sector. I review the constraints that these models must satisfy, and discuss its ability to explain anomalies such as the gamma ray excess from the galactic center. I also discuss the exciting possibilities with regards to future collider searches.

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Session Classification: Dark Matter III