

Indirect Dark Matter detection: Challenges and opportunities

Monday 25 July 2016 11:00 (30 minutes)

I will briefly review the current status of WIMP indirect dark matter detection, identifying recent progresses and the hurdles to overcome in order to improve sensitivity. Particular attention will be paid to the charged cosmic ray channels, although some considerations will also concern other domains, such as gamma rays. I will then discuss how indirect probes also have some chances in constraining (or possibly detecting) DM models beyond the WIMP scenario, which are often hard to identify at (if not beyond the reach of) direct or collider searches.

Summary

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Based on (arXiv number)

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Track Classification: Indirect Dark Matter Detection