

4th Uppsala workshop on Particle Physics with Neutrino Telescopes (PPNT19)



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Direct Detection Dark Matter Searches - a Review

Monday, 7 October 2019 11:00 (30 minutes)

Astrophysical observations give overwhelming evidence for the existence of dark matter. Several theoretical particles have been proposed as dark matter candidates, including weakly interacting massive particles (WIMPs), axions, and more recently, their much lighter counterparts. There has not yet been a definitive detection of dark matter. I will discuss the expected signatures, detection techniques, status of the field's search for direct detection of dark matter, and outlook for the future.

Summary

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