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Unlocking Dark Matter Physics out of Astrophysical Data Sets

Tuesday 12 October 2021 15:00 (1h 20m)

Cosmological observations and galaxy dynamics seem to imply that 84% of all matter in the universe is composed of dark matter, which is not accounted for by the Standard Model of particles. The particle nature of dark matter is one of the most intriguing puzzles of our time.
The wealth of knowledge which is and will soon be available from astrophysical surveys will reveal new information about our universe. I will discuss how we can use new and complementary data sets to improve our understanding of the particle nature of dark matter both at large and small scales.

Presenter: DVORKIN, Cora (Harvard University)