

SUSY 2023



Contribution ID: 213

Type: **Plenary talks (by invitation only)**

Dark matter at a crossroads

Tuesday, 18 July 2023 11:00 (30 minutes)

I will attempt to review some recent directions in theoretical studies of dark matter candidates, underlying models, production mechanisms, etc., focusing primarily on WIMPs and axions. Next, I will discuss sensitivity of the ensuing properties of dark matter candidates on underlying assumptions and illustrate this with the case of axions produced in nonstandard cosmologies of the Big Bang.

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Session Classification: Plenary Session

Track Classification: Plenary