



Contribution ID: 101

Type: not specified

The Hubble tension and new physics at the eV scale: The path to New Early Dark Energy

Tuesday 1 March 2022 15:00 (1h 20m)

I will discuss the possibility that the Hubble tension is the signature of a fast triggered phase transition in the dark sector. Such a phase transition is called New Early Dark Energy (NEDE) and must have taken place just before recombination at the eV scale to resolve the tension fully. After discussing the cosmological NEDE phase transition, I will discuss the details of possible particle physics realizations.

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