

Brief review on ultra light bosons as dark matter

Monday 7 September 2020 12:00 (30 minutes)

The model of ultra light bosons to conform the dark matter of the Universe has been under strong scrutiny in the last two decades, and has of lately become an alternative reference model to the cold dark matter one of the standard cosmological model. In this talk we will present the general results of the model and a summary of the observations that can constrain its physical parameters. In addition to the mass of the boson, we will also consider a parameter of self-interaction that in turn influences the cosmological observables. We finally comment on upcoming tests that may or may not validate the model.

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