

Constraining dark matter scenarios with CMB

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I will show how it is possible to use CMB observables to put constraints in different types of DM parameter space. In the case of self-annihilating DM the constraints are particularly strong, competitive with local, multimessenger ones. This method offers the advantage to get rid of astrophysical uncertainties and rely only on cosmological quantities and might have interesting consequences on our understanding of high redshift Universe as well.

Author: Dr IOCCO, Fabio (IAP - IPhT, CEA/Saclay)

Orateur: Dr IOCCO, Fabio (IAP - IPhT, CEA/Saclay)