

Dark matter in the early matter dominated Universe

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In the early Universe, there exists a matter-dominated era, that is driven by inflaton oscillation, curvaton, moduli or long-lived heavy particles. In this early matter domination, dark matter exists and show different behavior from the standard one during radiation domination, from the relics density to the density perturbation, constraints on the reheating temperature and baryogenesis. In this talk, I will present the recent developments.

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