

# Production of (dark) matter in the early stage of the Universe

*Thursday 8 December 2022 09:30 (30 minutes)*

I will present in this talk recent works concerning the production of particles in the earliest stage of the Universe, between the preheating phase and the reheating time. I will insist on the subtleties of backreactions from scattering of the inflaton and apply it to the mechanism to the dark matter production in minimal extensions of the Standard Model, especially gravitational production.

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**Session Classification:** Plenary

**Track Classification:** Plenary