

# Making dark particles from gravity

*Monday, September 22, 2025 2:30 PM (30 minutes)*

Where did the dark matter come from? The phenomenon of cosmological gravitational particle production (CGPP) occurs during and after inflation as quantum fields that feel the cosmological expansion are excited out of their ground state. CGPP is a simple explanation for the origin of dark matter, which might only interact gravitationally, as well as other cosmological relics. In this talk, I'll give a short introduction to CGPP and then discuss a few recent developments.

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