

# Baryogenesis from a Majorana Fermion Coupled to Quarks

*Wednesday 9 July 2025 15:00 (30 minutes)*

In the theory with a Majorana fermion coupled to quarks via a dimension-six four-fermion vector-vector interaction, we show that the observed baryon asymmetry of the Universe can be generated in the decay and scattering processes in the expanding early Universe. In viable parts of parameter space we discuss the observability of neutrino-antineutron oscillation in upcoming experiments.

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**Session Classification:** Plenary