

# Preheating and Baryogenesis in Higgs-Starobinsky Inflation

*Friday 11 July 2025 15:30 (30 minutes)*

In this talk, I will discuss the impact of preheating on baryogenesis in Higgs-Starobinsky inflation. I will show that if the Ricci scalar couples with the U(1) hypercharge density, it can explain the observed matter-antimatter asymmetry of the Universe.

**Presenter:** MODAK, Tanmoy (IISER Berhampur)

**Session Classification:** Plenary