

# Baryogenesis and Leptogenesis

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## Abstract

In this doctoral seminar, we will explain the processes of baryogenesis and leptogenesis and the conditions necessary for them. We will show that the Standard Model cannot explain the current observed baryon number (baryon asymmetry of the universe) and we will discuss theories beyond the Standard Model. We will state several scenarios of baryogenesis, namely: electroweak baryogenesis, thermal leptogenesis, and low-scale leptogenesis.

## ლიტერატურა:

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