COURSE DETAIL

THEORETICAL PARTICLE PHYSICS
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 167
UCEAP Course Suffix
UCEAP Official Title THEORETICAL PARTICLE PHYSICS
UCEAP Transcript Title THEOR PART PHYSICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course covers the theoretical foundations of the standard model of particle physics and its possible extensions. Among topics covered are the building blocks of the standard model, strong and electroweak interactions, CP violation, neutrino oscillations, and grand unification and supersymmetry.

Language(s) of Instruction
English

Host Institution Course Number
FYTN18

Host Institution Course Title
THEORETICAL PARTICLE PHYSICS

Host Institution Course Details
https://www.lunduniversity.lu.se/lubas/i-uoh-lu-FYTN18

Host Institution Campus
Lund

Host Institution Faculty
Science

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed
2024-2025

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