

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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