COURSE DETAIL

QUANTUM FIELD THEORY
Country Iceland
Host Institution University of Iceland
Program(s) University of Iceland
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 128
UCEAP Course Suffix
UCEAP Official Title QUANTUM FIELD THEORY
UCEAP Transcript Title QUANTUM FIELD THRY
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description

The course introduces perturbative quantum field theory and some of its applications in modern physics. Main topics include relativistic quantum mechanics, bosonic and fermionic fields, interactions in perturbation theory, Feynman diagram methods, scattering processes and particle decay, and elementary processes in quantum electrodynamics (QED).

Language(s) of Instruction
English

Host Institution Course Number
EÐL208M

Host Institution Course Title
QUANTUM FIELD THEORY

Host Institution Course Details
https://ugla.hi.is/kennsluskra/index.php?tab=nam&chapter=namskeid&id=71094220230

Host Institution Campus

Host Institution Faculty
Engineering and Natural Sciences

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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