

17.01.2023

[Hamburg International Summer School 2023: Particles, Strings & Cosmology]

[Module: 1]

[Course 1b: Quantum Field Theory]

[Course description]

**Title: Quantum Field Theory**

Lecturer: Prof. Francesco Hautmann (University of Antwerpen and University of Oxford)

Course duration in academic hours: 20 hrs

Credits (ECTS): 2,5 credits in combination with course 1a

Course description:

The lectures present an introduction to quantum field theory and its applications to the physics of fundamental interactions, covering scalar field theories, quantum electrodynamics, nonabelian gauge theories.

Notice: The program is subject to change.

In cooperation with:

