



Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

CHAMPP
CENTER IN HAMBURG FOR
ASTRO-, MATHEMATICAL AND
PARTICLE PHYSICS

LECTURE COURSE IN THE QUANTUM UNIVERSE RESEARCH SCHOOL

Summer Term 2024

Particle physics at the LHC – accelerator, detectors, physics

Johannes Haller

Course Description:

In-depth understanding of current topics in particle physics, especially research topics being investigated at the LHC. Preparation for possible bachelor, master or PhD theses in the mentioned field. The lecture is accompanied by a journal club (Fri, 14.00–15.30, SR 4064, Bahrenfeld)

Prerequisites:

required: 'Experimentalphysik V (Introduction to nuclear and particle physics)';
recommended: 'Advanced Particle Physics'.

Date and Place: Tue, 14:00–15:30, SR 4064, Bahrenfeld
Fri, 12:15–13:45, SR 4064, Bahrenfeld
Problem Classes: Journal-Club, Fri, 14:00–15:30, SR 4064, Bahrenfeld
Starting on: 4 April 2024
