



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

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Summer Term 2022

# Particle physics at the LHC - accelerator, detectors, physics

J. 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 – 15.30h, 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, 12.15h – 13.45h, SR 4064, Bahrenfeld

**Problem Classes:** Journal-Club, Fri., 14:00 – 15:30, SR 4064, Bahrenfeld

**Starting on:** 5 April, 2022

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