

CHAMPP

CENTER IN HAMBURG FOR ASTRO-, MATHEMATICAL AND PARTICLE PHYSICS

LECTURE COURSE IN THE QUANTUM UNIVERSE RESEARCH SCHOOL

Summer Term 2024

Advanced Algebra

Tobias Dyckerhoff

Course Description:

This course will be an introduction to homological algebra with topics such as complexes, derived functor formalism, group cohomology, sheaf cohomology, spectral sequences, simplicial methods, derived categories, and others depending on time and interest.

Prerequisites:

Basic Algebra.

Date and Place: Mon, 16:15–17:45, Hörsaal H5, Geomatikum

Thu, 14:15–15:45, Hörsaal H5, Geomatikum

Problem Classes: Tue, 16:15–17:45, SR 208 + 215, Sedanstraße 19

Starting on: 4 April 2024