



LECTURE COURSE IN THE QUANTUM UNIVERSE RESEARCH SCHOOL

Summer Term 2024

Galactic Astrophysics

Thomas Kupfer

Course Description:

What components does the Milky Way have? How does the dynamics in the Galaxy work? What are our closest neighbor galaxies? How does the Milky Way fit in large scale structure of galaxies? The goal of this course is to understand our home Galaxy and its closest neighbors. We will look at the structure and components of the Milky Way as well as the evolution and the dynamics of the Milky Way and how the Milky Way fits in the overall context of galaxies. Overall, this course will cover all the basics and a few advanced topics in Galactic Astrophysics

Prerequisites:

While not strictly required, it is definitely helpful to be aware some basic concepts taught in a BSc introductory astronomy course. The course language is English.

Literature:

- The Milky Way - Structure, Dynamics, Formation and Evolution - Authors: Combes and Lequeux
- Galaxies in the Universe - Authors: Sparke and Gallagher.

Date and Place:

Wed, 10:00–11:30, SR 4064, Bahrenfeld
Thu, 10:00–10:45, SR 4064, Bahrenfeld

Problem Classes:

Thu, 10:45–11:30, SR 4064, Bahrenfeld

Starting on:

3 April 2024
