

集中講義

Lecturer : Prof. Richard Dendy

(Warwick University and UK Atomic Energy Authority)

Place: Lecture Room on 2F in H-building

Schedule:

- #1 23-May. (Wed) 14:50-16:20
- #2 24-May. (Thu) 14:50-16:20
- #3 25-May. (Fri) 14:50-16:20
- #4 28-May. (Mon) 13:00-14:30
- #5 29-May. (Tue) 14:50-16:20
- #6 30-May. (Wed) 14:50-16:20
- #7 31-May. (Thu) 14:50-16:20

Title: Introduction to High Energy Plasma Astrophysics

Abstract:

The aim of these lectures is to make high energy plasma astrophysics accessible to students who have a general background knowledge of physics and mathematics.

The course is built around:

1. Understanding the standard models of two key engines of high energy plasma astrophysics:
 2. Understanding the key plasma and fluid mechanisms that cause acceleration of energetic particles, and through which such particles radiate, in astrophysical systems:
- Having followed this course, students will understand the plasma and fluid processes that underly the magnificent images obtained by high energy plasma astrophysics observatories, together with simple mathematical expressions of these concepts.

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