

Title: Introduction to Particle Physics

Lecturer: Dr Frank Close

Date and Times:

- 2nd July at 9:15
- 2nd July at 10:15
- 3rd July at 9:15
- 3rd July at 10:15

Summary of the proposed talk:

These lectures are an introduction to the ideas of particle physics, aimed at students and teachers with little or no knowledge of the subject. They form a broad basis that will be developed in more detail by the subsequent lecturers in the school.

Prerequisite knowledge and references:

Basic physics. No prior knowledge of particle physics needed. For a cheap pocket sized guide see "Particle Physics - A Very Short Introduction" by Frank Close, published by Oxford University Press.

**Biography-
Brief CV:**

- Professor in Theoretical Physics at Oxford University in England since 2001.
- Formerly Head of Theory Division at Rutherford Appleton Laboratory and of Communications and Public Education Group at CERN.

Publications:

- "Particle Physics - A Very Short Introduction", published by Oxford University Press
- "The New Cosmic Onion" published by Taylor and Francis, in paperback. This is at the level that will build on my lectures and introduce those of other lecturers.
- "The Void" - everything about nothing (i.e. the vacuum), published by Oxford University Press.
- "Antimatter" by Frank Close.