



The CERN Accelerator School

Contribution ID: 130

Type: **not specified**

Electromagnetic Theory I

Monday 19 September 2022 09:45 (1 hour)

The purpose of this course is to provide an introduction to Electromagnetic Theory. The foundations of electrodynamics starting from the nature of electrical force up to the level of Maxwell equations solutions are presented. It starts with the introduction of the concept of a field, which plays a very important role in the understanding of electricity and magnetism. In addition, moving electric charge is discussed as a topic of special importance in accelerator physics.

Presenter: SHREYBER, Irina