



COURSE: "FUNDAMENTAL CONSTANTS AND METROLOGY"

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The objective of this course is to explain the connection between the role fundamental constants in fundamental science on the one hand and metrology, the art of every-day measurement, on the other hand. The relation between these constants and the various units systems are explained. A system to classify constants into a hierarchical structure based on their scientific status is discussed and related to the Standard Models of Physics. The historical evolution of techniques to measure time, length and mass will be reviewed and connected to Planck's constant and the speed of light. The principles behind the atomic clock and the frequency comb are explained. The fundamental constants of the Standard Model of Particle Physics and the Cosmological Standard Model are reviewed.

Horario:

Lunes de 11 am a 12:30 pm y de 2 pm a 3:30 pm

Fechas: Lunes 7, 21, 28 de Octubre y lunes 4 de Noviembre.

Registration



<https://bit.ly/2klxgAp>
Inscriptions open!