

The Standard Model and Beyond (Block 1)

Tuesday, 15 June 2021 12:00 (1h 15m)

Abstract: Although the Standard Model of particle physics, in conjunction with General Relativity, explains a wide range of physical phenomena, there are good reasons to believe that it does not represent a complete description of Nature. In this lecture, we will introduce the Standard Model and discuss some of its empirical and conceptual shortcomings.

Some of the ideas that have been proposed to address these open questions will also be briefly discussed.

Presenter: DAVOUDIASL, Hooman (Brookhaven National Laboratory)