UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

EFT fitting in Standard Model measurements

2223-113R-05

Title

EFT fitting in Standard Model mesurements

Teacher(s)

Dott.ssa Ilaria Brivio, dott. Andrew Gilbert, dott. Mario Pelliccioni

Language

English

Short description

This course addresses experimental and theory PhD students in the field of the particle physics and will present them with the problem of fitting an effective field theory (EFT) model to an eterogeneous set of measurements, composed of results existing in the literature and hypothetical new measurements being performed.
After an introduction to the relevant subjects of EFT, statistics and Monte Carlo generation, students will learn by doing how to craft and interpret a global fit.
Prior basic knowledge of the main subjects (EFT, statistics based on likelihood maximisation and monte carlo generators) is expected.

CFU / Hours

2 CFU / 40 hours

Teaching period

26th June - 30th June

Sustainable Development Goals