

PHYS 742. INTRODUCTION TO THE STANDARD MODEL.

Credits: 3

Offered by: Physics (Graduate Studies)

This course is not offered this catalogue year.

Description

Introduction to the Standard Model of Particle Physics. Review of field theory preliminaries. Phenomenology such as decay of Z and W bosons, heavy lepton decay, scattering and the Z resonance, with development of computational methods as needed. Effective field theories, bound states in QCD, QCD interactions and possible extension of the standard model.

- Prerequisite: PHYS 610.

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