

Massachusetts Institute of Technology

Department of Physics

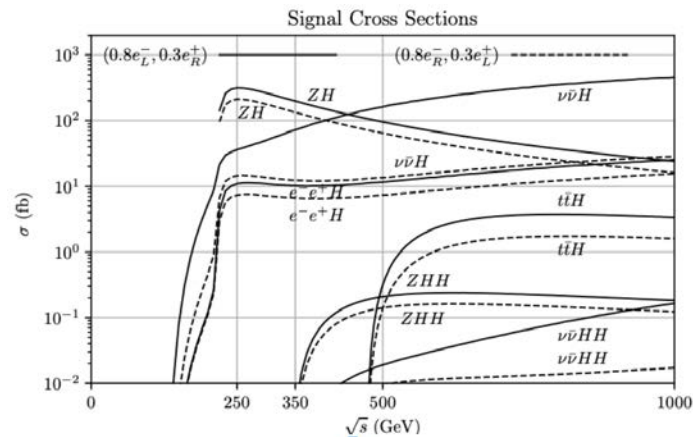
Course: 8.701 – Introduction to Nuclear and Particle Physics
 Term: Fall 2020
 Instructor: Markus Klute
 TA : Tianyu Justin Yang

Discussion Problems

from recitation on October 29th, 2020

Problem 1: Higgs Bosons at Lepton Collider

In the lecture we discussed the production of Higgs bosons at hadron colliders ($pp \rightarrow H + X$). Lepton colliders are exciting tools to study the Higgs boson with precision. How are Higgs bosons produced at leptons colliders? Consider the energy of the electron and positron beam.



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