Massachusetts Institute of Technology Department of Physics

Course:	8.701 – Introduction to Nuclear and Particle Physics
Term:	Fall 2020
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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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