

TUESDAY

APRIL 19

4:00 P.M.

RM 415 NSH

The Higgs boson at high p_T

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Electroweak symmetry breaking proceeds through a Higgs-like mechanism and enters the phase of precision measurements. We show that the region of large Higgs transverse momenta is important for the discovery of new physics and shed light on how far current standard model predictions can account for this region. We focus on the Higgs+Jet cross section at NLO and include effects of a finite top-quark mass.