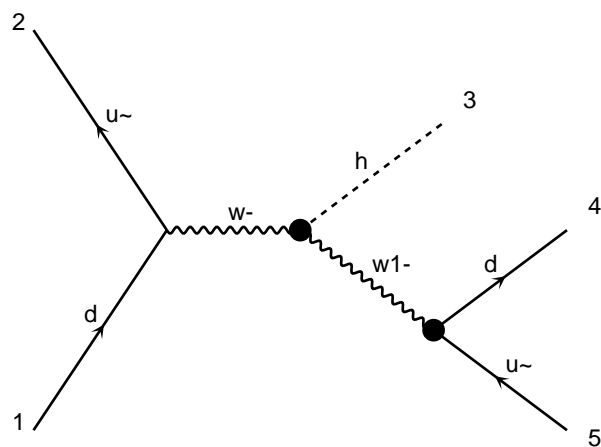
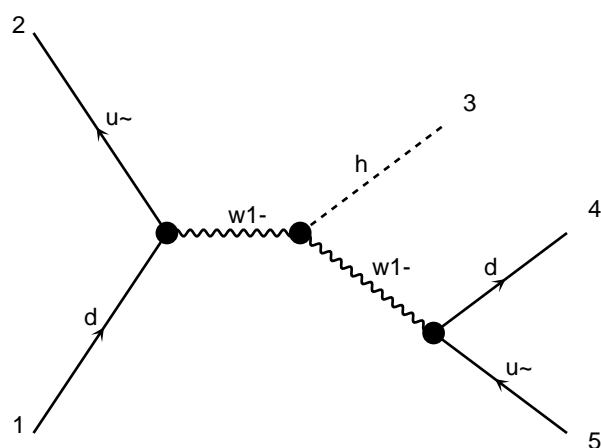


NP=0, NPall=0, NPcG=0, NPcGtil=0, NPcH=0, NPcHBan=0, NPcHBtil=0, NPcHNDil=0, NPcHG=0, NPcH



The diagram shows a selectron (s) decaying into a photon (h) and a quark-antiquark pair (q-q-bar). The selectron line enters from the left, splits into a quark (q) and an antiquark (q-bar) pair, which then annihilate into a photon (h). The quark and antiquark lines are labeled 'q' and 'q-bar' respectively. The photon line is labeled 'h'. The quark and antiquark lines are labeled 'q' and 'q-bar' respectively. The photon line is labeled 'h'. The quark and antiquark lines are labeled 'q' and 'q-bar' respectively. The photon line is labeled 'h'.

NP=0, NPall=2, NPcG=0, NPcGtil=0, NPcH=0, NPcHBan=0, NPcHBtil=0, NPcI=0, NPcIal=0, NPcP=0, NPcPG=0, NPcPc



The diagram illustrates the production and decay of a Higgs boson ( $h$ ) through a top quark loop. 
   
Production (left): Two incoming gluons ( $g$ , labeled 1 and 2) interact via a top quark ( $t$ ) loop to produce a Higgs boson ( $h$ , labeled 3). The top quark is represented by a solid line with arrows indicating its flow.
   
Decay (right): The Higgs boson ( $h$ , labeled 3) decays into two outgoing gluons ( $g$ , labeled 4 and 5) through a top quark ( $t$ ) loop.
   
Labels: The top quark is labeled  $t$ . The Higgs boson is labeled  $h$ . The gluons are labeled  $g$ . The external lines are numbered 1 through 5.

[illegible]