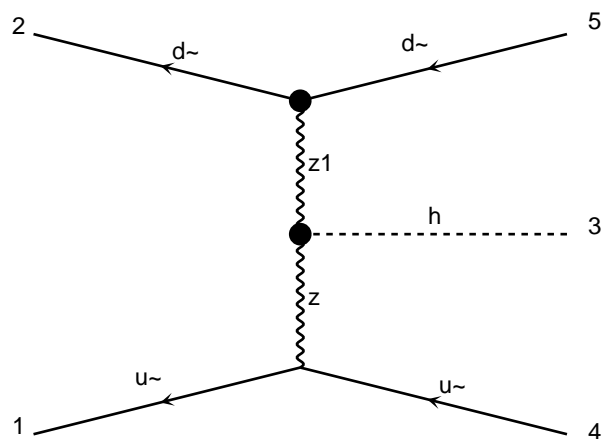
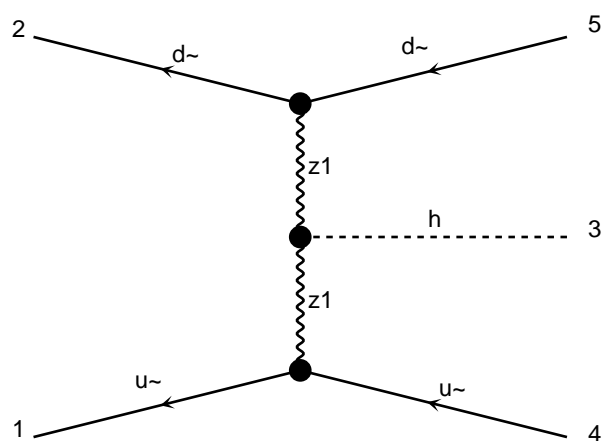


NP=0, NPall=0, NPcG=0, NPcGtil=0, NPcH=0, NPcHBan=0, NPcHBtil=0, NPcHNDil=0, NPcHG=0, NPcH



The diagram illustrates the production and decay of a Higgs boson. Two incoming gluons (1 and 2) merge at a top quark loop (top vertex) to produce a Higgs boson (3). The Higgs boson then decays into two photons (4 and 5) via a loop of a charged particle (bottom vertex). The top quark loop is labeled 'z' and the bottom quark loop is labeled 'z1'.

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 shows a central Higgs boson line (dashed, labeled h) connecting two vertices. Each vertex is a triangle loop of top quarks (t). The top quark lines are solid and labeled t . The external lines are labeled with their respective particle types: the top quark lines are labeled t , the Higgs boson line is labeled h , and the photon lines are labeled γ . The vertices are connected by two W boson lines (wavy, labeled W).

NP=0, NPall=0, NPcG=0, NPcGil=0, NPcH=0, NPcHBan=0, NPcHBtil=0, NPcI=0, NPDAI=0, NPPcG=0, NPPc

