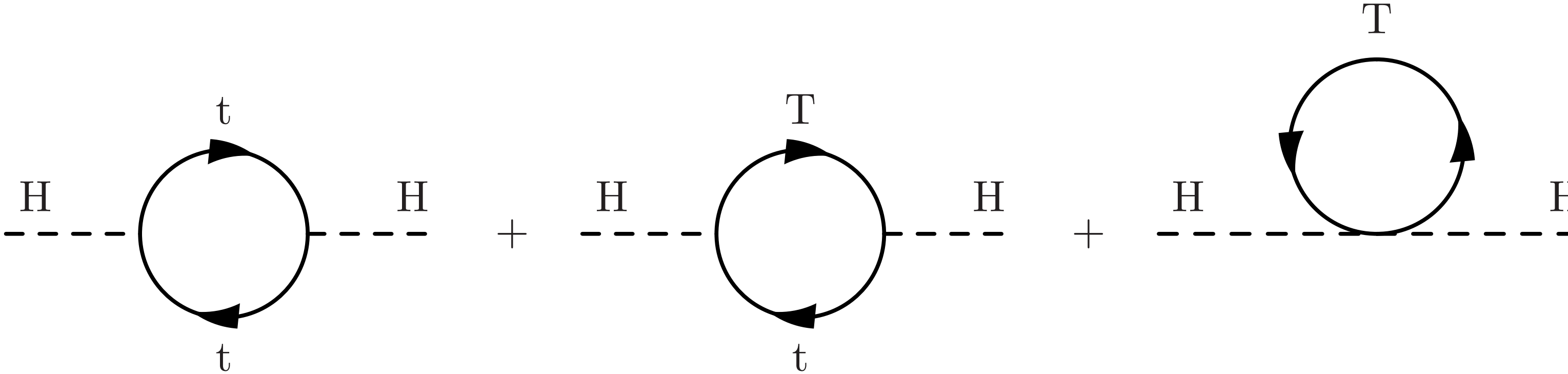


$$\Delta m_H^2 =$$


The image shows three Feynman diagrams representing corrections to the Higgs mass squared,  $\Delta m_H^2$ . Each diagram consists of a central loop connected to two external Higgs boson lines, represented by dashed lines labeled 'H'.

- Diagram 1:** A loop of top quarks ( $t$ ). The top quark lines are solid circles with arrows indicating a clockwise flow. The external Higgs lines are dashed and labeled 'H'.
- Diagram 2:** A loop of top quarks ( $t$ ) and a Higgs boson ( $H$ ). The top quark lines are solid circles with arrows indicating a clockwise flow. The external Higgs lines are dashed and labeled 'H'.
- Diagram 3:** A loop of Higgs bosons ( $H$ ). The Higgs boson lines are solid circles with arrows indicating a clockwise flow. The external Higgs lines are dashed and labeled 'H'.

The diagrams are summed together, as indicated by the plus signs and the ellipsis ( $\dots$ ) at the end of the series.