

Probing anomalous hZZ couplings using Higgs production in electron-proton collisions

We probe anomalous HZZ coupling through single Higgs boson production at the Large Hadron electron collider with 60 GeV (7 TeV) of electron (proton) energy. The sensitivity of CP-even and odd anomalous couplings are measured through azimuthal angle difference between scattered electron and forward jets along with cross section as a function of luminosity. Comparative studies for HWW anomalous couplings are also performed.

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