

## 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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