

FOPT Selection - $m_S = 700$ GeV, $b_3 = 200$ GeV, $b_4 = 0.25$

ATLAS+CMS

3 ab⁻¹ per experiment (14 TeV)

Projections ESPPU 2026

$|g_{HZZ}/g_{HZZ}^{\text{SM}} - 1|$

10⁻¹

10⁻²

10⁻³

10⁻⁴

0.5

1.0

1.5

2.0

2.5

κ_3

- Strong FOPT
- $S \rightarrow HH$ (S2 NWA, 95%)
- $S \rightarrow ZZ$ (S2 NWA, 95%)
- κ_3 (S3, 68%)
- κ_3 (S3, 95%)
- κ_Z (S2, 68%)
- κ_Z (S2, 95%)

