

# **COLLIDER PHENOMENOLOGY OF HIGGS EFFECTIVE FIELD THEORY**

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### ABSTRACT

We report computations of the production cross-section of longitudinal electroweak boson pairs within Effective Field Theory for the Electroweak sector (including the Higgs). Particularly, we focuse on photon-photon production, as this is a very clean process allowing access to scalar and tensor resonances. We also employ LEP results on the oblique S,T parameters to constrain the HEFT parameter space.

## rely on Monte Carlo simulations? Trust sideband fits? **<u>Try less noisy channels</u>** (low statistics is also low noise)





