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Collider phenomenology of HEFT

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 focus on photon-photon production (in e^-e^+ as well as pp machines), 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.

Experimental Collaboration

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