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 <h2>From the Planck Scale to the Electroweak Scale</h2>

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Searching for new physics in vector boson scattering at the LHC

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The electroweak symmetry breaking (EWSB) sector still keeps some mysteries under the sleeve. Questions such as what is the dynamical origin of EWSB, what is the true nature of the Higgs boson or are the properties of this particle the ones predicted in the SM remain unanswered. The LHC is our tool to unveil these mysteries and vector boson scattering (VBS) is the perfect window to access them. In this work we perform a model independent analysis of the phenomenology of VBS at the LHC and give predictions for the sensitivity to possible new physics scenarios in the EWSB sector.

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