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Particle Theory Seminar of LPT Orsay

Jeudi 15 Novembre 2018, 16 :00
LPT, 114
Domaines : hep-ph

Titre : *Vector Boson Scattering : a window to new EWSB physics*

Orateur : **Claudia Garcia-Garcia (Universidad Autonoma de Madrid)**

Résumé : *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. We will discuss two examples of how VBS searches could be used to gain sensitivity to SM unknown parameters (such as the Higgs trilinear coupling) and to possible new physics scenarios in the EWSB sector.*