

Probing Electroweak Symmetry Breaking with Vector Boson Scattering

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The understanding of the Electroweak Symmetry breaking (EWSB) mechanism is one of the most fundamental problems in physics as this mechanism allows to explain how particles acquire their masses. The discovery of the Higgs boson in 2012, at the CERN Large Hadron Collider, has shed some light on this mechanism, but its precise understanding is still an open question that is being thoroughly investigated. The mechanism responsible for the EWSB also governs the unitarization of the scattering of longitudinally polarised Electroweak bosons at high energy. The study of these processes is therefore a transverse probe to the direct measurement of the Higgs boson properties to assess its exact nature. In this talk, we will review the main problematics, challenges and perspectives on Vector Boson Scattering that have been recently published.