

# 31st International Symposium on Lepton Photon Interactions at High Energies



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## Recent results on VBS measurements at CMS

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Vector boson scattering is a key production process to probe the electroweak symmetry breaking of the standard model, since it involves both self-couplings of vector bosons and coupling with the Higgs boson. If the Higgs mechanism is not the sole source of electroweak symmetry breaking, the scattering amplitude deviates from the standard model prediction at high scattering energy. Moreover, deviations may be detectable even if a new physics scale is higher than the reach of direct searches. This talk will present recent VBS measurements from CMS, which include constraints on anomalous quartic gauge couplings in the effective field theory framework.

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