

Looking at VBF processes from a polarization perspective

Thursday, 20 October 2022 15:00 (20 minutes)

Studying the polarization of weak bosons provides crucial information to better understand the electroweak-symmetry-breaking mechanism that is realized in nature. We will report on the status of Standard-Model calculations of polarized di-boson production in the VBF channel at the LHC, with a focus on vector-boson-scattering and VBF Higgs-boson production. We will show a number of phenomenological results and address the extension of the currently available results to higher orders in perturbation theory.

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Session Classification: Selected topics on VBF and related