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Searches for resonances in multi-boson final states in CMS

Tuesday 22 August 2023 16:20 (15 minutes)

Resonances in multi-boson final states (VVV, VV, VH, HH and HY, where $V = W, Z$ and Y is a new scalar particle) with the CMS detector are presented. The results are based on the large dataset collected during Run 2 of the LHC at a centre-of-mass energy of 13 TeV. The analyses are optimised for high sensitivity over a large range in resonance mass. Many of the relevant backgrounds are estimated data-driven techniques and results are interpreted under various beyond the Standard Model scenarios.

Collaboration / Activity

CMS

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