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MEPS@NLO predictions for $H \rightarrow WW^*$ backgrounds in exclusive jet bins using Sherpa and OpenLoops

OpenLoops is a fast and flexible generator of one-loop scattering amplitudes, which allows to compute NLO corrections to many-particle processes within the Standard Model. Using OpenLoops in combination with Sherpa permits to prepare NLO simulations in a fully automated way. Matching and merging at NLO with the novel MEPS@NLO technique are also fully supported. As a first nontrivial application of Sherpa+OpenLoops, MEPS@NLO predictions for the irreducible background to $H \rightarrow WW^*$ in the 0- and 1-jet bins will be presented.

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