

Process	Monte Carlo generator (Perturbative order in QCD) Ref. [14]	Monte Carlo generator (Perturbative order in QCD) this work
Monojet (spin-1 med.)	POWHEG 2.0 (NLO)	MADGRAPH5_aMC@NLO 2.2.3 (NLO)
Monojet (spin-0 med.)	POWHEG 2.0 (LO)	MADGRAPH5_aMC@NLO 2.2.3 (NLO)
mono- V (spin-1 med.)	MADGRAPH5_aMC@NLO 2.2.3 (LO)	MADGRAPH5_aMC@NLO 2.2.3 (NLO)
mono- V (spin-0 med.)	JHUGENERATOR 5.2.5	Not used