



VH differential K-factor study status (CMS)



- **Goal is to estimate K-factors after kinematic cuts**
- **Approach**
 - ◆ Generator-based analysis using CMS software framework
 - ◆ Not official production, so is fast and flexible
- **Effort is ramping up**
 - ◆ Completed VH configurations for Pythia6 and Herwig++
 - Pythia6 (LO), PDF CTEQ6L1 (via LHAPDF)
 - Herwig++ (NLO) POWHEG, PDF MRST2002nlo
 - ◆ Produced $V(H \rightarrow bb)$ for $W \rightarrow l\nu$, $Z \rightarrow l^+l^-$, $Z \rightarrow \nu\nu$ [$M_H=120$ GeV, $\sqrt{s} = 7$ TeV]

