

# Highlights

- ▶ Boosted Higgs note:
  - ▶ current refinements in order to have a consistent recommendation for the gluon fusion channel, including relative theoretical uncertainties.
  - ▶ interest in having predictions at least up to 1.2 TeV for future analyses
  - ▶ Estimate of the top mass scheme uncertainty
  - ▶ coordination with other WG1 subgroups to provide a recommendation for additional production modes (VBF, VH, ttH)
- ▶ Additional comments to keep in mind for future developments:
  - ▶ extend predictions to lower pT values, in particular for  $H \rightarrow 2$  photons
  - ▶ study different jet multiplicities [to be discussed with other WG1 subgroups and possibly WG2]

# Highlights

- ▶ Z+jets background:
  - ▶ theory under good control: event generators agree well with fixed order predictions
  - ▶ Uncertainties between the 10% ([NLO QCD] + EW) and the 5% ([NNLO QCD] + EW) level
- ▶ Presentation of results
  - ▶ Possibly quote fiducial cross sections and constraints on EFT dim-6 operators
  - ▶ Report particle level results to allow comparison to theory
  - ▶ No particular constraints on the pT binning: possible directions involve studying the sensitivity to particular EFT operators. This analysis should consistently include the contribution from all production channels