

# ggF perspective from ATLAS

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# Experimental needs

- ggF analyses:
  - $p_T^H$  for  $\gamma\gamma$  and  $\tau\tau$  channels
  - Jet bin fractions for WW channel
  - Correlations for combination
- VBF analyses:
  - ggF+2 jets with CJV
- Generators that reproduce calculations

# Uncertainties

- $p_T^H$ 
  - HRES?
  - H+1 jet NNLO at high  $p_T$ ?
- Jet binning
  - Generalized covariance matrix?
  - Separate H+2 jet CJV?
- UEPS uncertainties
  - What is covered by resummation? How to evaluate?