



- a) All contributing to measurement.
 \hookrightarrow difficult (impossible) to isolate single contribution.
- b) \hookrightarrow cuts (exp.) or on-shell approx. (th.)
 \hookrightarrow easier to calculate
 \hookrightarrow good enough?
 \hookrightarrow interplay with cuts

↳ assumption: no overlap between ℓ & prod.

$$\left. \begin{array}{ll} \cdot \text{NBF} & m_{4\ell} \in [m_H - \varepsilon; m_H + \varepsilon] \\ \cdot \text{VH} & m_{2\ell}/m_{2\ell+2j} \in .. \\ \cdot \text{VBS} & m_{jj} \gg 1 \end{array} \right\} \quad \frac{m_H}{m_h} \ll 1$$

↳ higher-order effects / exp. constraints.

- c)
- full measurement vs. full computation
(off-shell + irr. bck) physical/
less sexy
[meas. of
 $\ell, jj, p_T^{\text{miss}}, ...]$
 - full meas. - QCD (based on MC)
vs. full EW (pb. of int.) [EW prod. of
...]
 - full meas. - undesired = interesting EW
contribution less physical/
more sexy
- ↳ extract quantities
(mass, coupling, EFT, ...)