

relations

st

efficiencies
(by production/decay)

$\mu_{VH} \rightarrow i$
 $i = \text{final state}$

What are we missing?

$(tb)^*$	$\tau^+\tau^-$	invisible $t\bar{t}^*$
$\tau^+\nu$	$\mu^+\mu^-$	
$c\bar{s}$	$b\bar{b} + (b\bar{b})$	
H^+	H^0/A^0	

$a_i, m_{a_i} < 20 \text{ GeV}$

- $\mu^+\mu^-$
- $\tau\tau$
- $(\tau\tau)^*$
- $(b\bar{b})^*$

SUSY

- $H \rightarrow \tilde{t}\tilde{t}$
- $H^+ \rightarrow \chi^+\chi^0$

"2HDM"

- $hA \rightarrow b, \tau, W, S$
- $hH^\pm \rightarrow b, \tau, MET, W$
- $AA \rightarrow b, \tau, W$
- $(Z, W)H_h \rightarrow \ell + MET + b, W, \tau$
- $H^+ \rightarrow W^+h \rightarrow \ell, MET$