

relations  
 st  
 efficiencies  
 (by production/decay)

$(\mu^+ \mu^-)_i$   
 $i = \text{fuel slot}$

What are we missing?

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

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

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

SUSY

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

"2HDM"

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