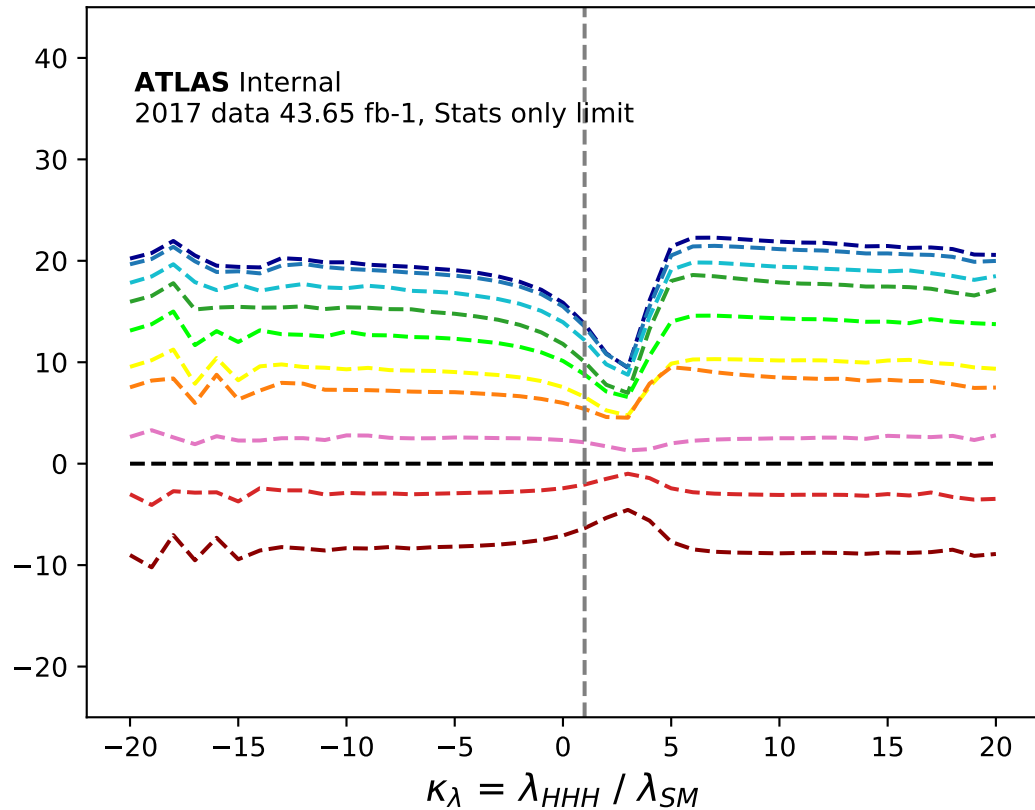


% improvement from  
 $X_{wt} \geq 1.5$  cut

**ATLAS** Internal  
2017 data 43.65 fb-1, Stats only limit



- Low  $p_T$  cat ( $X_{wt} \geq 0.0$ )
- Low  $p_T$  cat ( $X_{wt} \geq 0.2$ )
- Low  $p_T$  cat ( $X_{wt} \geq 0.4$ )
- Low  $p_T$  cat ( $X_{wt} \geq 0.6$ )
- Low  $p_T$  cat ( $X_{wt} \geq 0.8$ )
- Low  $p_T$  cat ( $X_{wt} \geq 1.0$ )
- Low  $p_T$  cat ( $X_{wt} \geq 1.2$ )
- Low  $p_T$  cat ( $X_{wt} \geq 1.4$ )
- Low  $p_T$  cat ( $X_{wt} \geq 1.6$ )
- Low  $p_T$  cat ( $X_{wt} \geq 1.8$ )