

BDT training	BDT( $\mu\tau_h,100,1$ )	BDT( $\mu\tau_h,150,1$ )	BDT( $\mu\tau_h,200,1$ )	BDT( $e\tau_h,100,1$ )	BDT( $e\tau_h,150,1$ )	BDT( $e\tau_h,200,1$ )
Misidentified $\tau_h$	$0.9 \pm 0.5 \pm 0.4$	$<0.1$	$<0.1$	$2.5 \pm 0.9 \pm 1.3$	$0.3 \pm 0.3 \pm 0.1$	$<0.1$
DY+jets	$2.1 \pm 2.1 \pm 3.3$	$<0.1$	$<0.1$	$<0.1$	$<0.1$	$<0.1$
Top quark	$<0.1$	$0.9 \pm 0.4 \pm 0.8$	$0.6 \pm 0.5 \pm 0.5$	$0.3 \pm 0.3 \pm 0.1$	$<0.1$	$0.2 \pm 0.2 \pm 0.2$
Other SM	$<0.1$	$1.0 \pm 0.7 \pm 1.6$	$0.6 \pm 0.6 \pm 1.1$	$1.0 \pm 0.7 \pm 1.5$	$0.2 \pm 0.2 \pm 0.5$	$1.0 \pm 0.6 \pm 1.6$
Total prediction	$3.0 \pm 2.2 \pm 3.1$	$2.0 \pm 1.0 \pm 2.0$	$1.2 \pm 0.7 \pm 1.3$	$3.7 \pm 1.1 \pm 2.3$	$0.4 \pm 0.4 \pm 0.5$	$1.2 \pm 0.7 \pm 1.6$
Observed	2	6	2	2	1	1
Signal	$0.6 \pm 0.3 \pm 0.1$	$0.4 \pm 0.1 \pm 0.8$	$0.6 \pm 0.1 \pm 0.3$	$1.0 \pm 0.4 \pm 0.1$	$0.2 \pm 0.1 \pm 0.1$	$0.2 \pm 0.1 \pm 0.1$