

$m_a$ (GeV)	Min. BDT output value	Signal efficiency (%)	Drell–Yan background yields
1	0.955	$49 \pm 3.3$	$83 \pm 27$
2	0.980	$67 \pm 2.7$	$26 \pm 10$
3	0.985	$76 \pm 2.4$	$7.9 \pm 4.9$
4	0.980	$84 \pm 2.1$	$5.1 \pm 4.5$
5	0.985	$85 \pm 2.1$	$5.1 \pm 3.9$
6	0.990	$82 \pm 2.3$	$2.5 \pm 2.2$
7	0.985	$86 \pm 2.1$	$5.3 \pm 4.0$
8	0.990	$80 \pm 2.5$	$11 \pm 4.8$
9	0.990	$78 \pm 2.5$	$16 \pm 5.6$
10	0.990	$77 \pm 2.6$	$11 \pm 4.7$
15	0.990	$70 \pm 2.9$	$13 \pm 5.2$
20	0.990	$63 \pm 3.1$	$18 \pm 6.1$
25	0.985	$64 \pm 2.7$	$37 \pm 11$
30	0.980	$67 \pm 2.2$	$44 \pm 13$