

BDT	I	II	III
$M_{T'}(\text{GeV})$	[600, 700]	[700, 1000]	[1000, 1200]
Hadronic analysis			
BDT-NRB score	$> 0.94$	$>0.96$	$>0.95$
BDT-SMH score	$>0.80$	$>0.80$	$>0.80$
$m_{tH}$ window (GeV)	[480, 800]	[550, 1150]	[650, 1600]
Leptonic analysis			
BDT score	$>0.60$	$>0.40$	$>0.40$
$m_{tH}$ window (GeV)	[480, 800]	[550, 1150]	[650, 1600]