

Phase/category	Phase 0/short	Phase 0/long	Phase 1/short	Phase 1/long
BDT for SR samples	>0.1	>0.12	>0.15	>0.08
E_{dep} for SR samples	$<15 \text{ GeV}$	$<0.2p$	$<15 \text{ GeV}$	$<0.2p$
E_{dep} for CR ^{genuine} samples	$[30, 300] \text{ GeV}$	$[0.3, 1.2]p$	$[30, 300] \text{ GeV}$	$[0.3, 1.2]p$
BDT for CR ^{genuine} samples	>0.1	>0.05	>0.05	>0.08
BDT for CR ^{spurious} samples	$[-0.10, -0.05]$	$[-0.1, 0.0]$	$[-0.10, 0.05]$	$[-0.1, 0.0]$