

Category	BDT score boundaries	Targeted process
2016		
Tight 1	$0.25 < D < 0.50$	VBF
Tight 2	$0.50 < D < 0.75$	VBF
Tight 3	$0.75 < D$	VBF
Loose G1	$0.50 < D_{\text{ggH}} < 0.55$	ggH
Loose G2	$0.55 < D_{\text{ggH}}$	ggH
Loose V1	$D_{\text{ggH}} < 0.50, 0.80 < D_{\text{VBF}} < 0.85$	VBF
Loose V2	$D_{\text{ggH}} < 0.50, 0.85 < D_{\text{VBF}}$	VBF
Loose Z1	$D_{\text{ggH}} < 0.50, D_{\text{VBF}} < 0.80, 0.60 < D_{\text{Z}} < 0.75$	Z+jets
Loose Z2	$D_{\text{ggH}} < 0.50, D_{\text{VBF}} < 0.80, 0.75 < D_{\text{Z}}$	Z+jets
2018		
Tight 1	$0.25 < D < 0.50$	VBF
Tight 2	$0.50 < D < 0.75$	VBF
Tight 3	$0.75 < D$	VBF
Loose G1	$0.55 < D_{\text{ggH}} < 0.60$	ggH
Loose G2	$0.60 < D_{\text{ggH}}$	ggH
Loose V1	$D_{\text{ggH}} < 0.55, 0.50 < D_{\text{VBF}} < 0.55$	VBF
Loose V2	$D_{\text{ggH}} < 0.55, 0.55 < D_{\text{VBF}}$	VBF
Loose Z1	$D_{\text{ggH}} < 0.55, D_{\text{VBF}} < 0.50, 0.60 < D_{\text{Z}} < 0.70$	Z+jets
Loose Z2	$D_{\text{ggH}} < 0.55, D_{\text{VBF}} < 0.50, 0.70 < D_{\text{Z}}$	Z+jets