

Variable	Definition	SL (4 jets, ≥ 3 b tags)	SL (5 jets, ≥ 3 b tags)	SL (≥ 6 jets, ≥ 3 b tags)	DL (≥ 4 jets, 3 b tags)	DL (≥ 4 jets, ≥ 4 b tags)
$p_T(\text{jet } 1)$	p_T of the highest- p_T jet	+	+	-	-	-
$\eta(\text{jet } 1)$	η of the highest- p_T jet	-	+	+	-	-
$d(\text{jet } 1)$	b tagging discriminant of the highest- p_T jet	+	+	+	-	-
$p_T(\text{jet } 2)$	p_T of the second highest- p_T jet	-	+	-	-	-
$\eta(\text{jet } 2)$	η of the second highest- p_T jet	+	+	+	-	-
$d(\text{jet } 2)$	b tagging discriminant of the second highest- p_T jet	+	+	+	-	-
$p_T(\text{jet } 3)$	p_T of the third highest- p_T jet	-	+	-	-	-
$\eta(\text{jet } 3)$	η of the third highest- p_T jet	+	+	+	-	-
$d(\text{jet } 3)$	b tagging discriminant of the third highest- p_T jet	+	+	+	-	-
$p_T(\text{jet } 4)$	p_T of the fourth highest- p_T jet	+	+	-	-	-
$\eta(\text{jet } 4)$	η of the fourth highest- p_T jet	+	+	+	-	-
$d(\text{jet } 4)$	b tagging discriminant of the fourth highest- p_T jet	+	-	+	-	-
$p_T(\text{lep } 1)$	p_T of the highest- p_T lepton	-	+	+	-	-
$\eta(\text{lep } 1)$	η of the highest- p_T lepton	+	-	+	-	-
d_j^{avg}	average b tagging discriminant value of all jets	+	+	+	-	-
d_b^{avg}	average b tagging discriminant value of b-tagged jets	+	+	+	+	+
$d_{\text{non-b}}^{\text{avg}}$	average b tagging discriminant value of non-b-tagged jets	-	-	-	+	+
$\frac{1}{N_b} \sum_b^{N_b} (d - d_b^{\text{avg}})^2$	squared difference between the b tagging discriminant value of a b-tagged jet and the average b tagging discriminant values of all b-tagged jets, summed over all b-tagged jets	+	+	+	-	-
d_j^{max}	maximal b tagging discriminant value of all jets	+	+	+	-	-
d_b^{max}	maximal b tagging discriminant value of b-tagged jets	+	+	+	-	-
d_j^{min}	minimal b tagging discriminant value of all jets	+	+	+	-	-
d_j^{min}	minimal b tagging discriminant value of b-tagged jets	+	+	+	-	-
d_2	second highest b tagging discriminant value of all jets	+	+	+	-	-