

source / bin	1	2	3	4	5	6	7	8	9	10	11	12
JESinglePionHCAL	-1.2	-0.6	+2.2	+0.4	+0.1	+0.1	+0.9	-0.1	-0.4	-0.6	+0.1	+0.1
	-0.3	-0.5	+1.2	+0.8	-0.3	-0.2	-0.2	-0.1	-0.2	+0.6	+0.7	+0.3
JESTimePtEta	-1.2	-0.2	+2.4	+0.8	0.0	-0.3	+0.1	+0.1	-0.6	0.0	-0.1	+0.3
	-1.3	-0.8	+2.2	+0.4	+0.1	+0.3	+0.9	-0.5	-0.7	+0.1	+0.7	+0.4
$\vec{p}_T^{\text{miss}}$	-0.4	0.0	-0.3	+0.7	-0.1	+0.2	-0.1	-0.2	0.0	+0.4	-0.3	0.0
	-1.0	+0.7	+0.3	-0.1	+0.1	-0.1	+0.4	0.0	-0.2	+0.5	0.0	+0.1
lepton ID/ISO	-0.2	+0.2	-0.6	-0.1	+0.3	+0.1	0.0	-0.3	+0.2	-0.3	-0.4	-0.1
	+0.2	-0.2	+0.6	+0.1	-0.3	-0.1	0.0	+0.4	-0.2	+0.4	+0.4	+0.1
pileup	+0.3	+0.2	-0.7	-0.5	+0.2	0.0	+0.2	+0.1	0.0	-0.3	-0.2	+0.1
	-0.4	-0.2	+0.7	+0.5	-0.1	0.0	-0.3	-0.1	0.0	+0.4	+0.2	-0.1
trigger	-0.1	0.0	+0.1	0.0	+0.1	0.0	+0.1	0.0	0.0	+0.1	+0.1	-0.1
	+0.1	0.0	-0.1	0.0	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1	+0.1
trigger ( $\eta$ )	+0.3	+0.1	-0.2	+0.2	0.0	-0.1	+0.1	-0.1	-0.1	0.0	-0.1	0.0
	-0.3	-0.1	+0.2	-0.2	0.0	+0.1	-0.1	+0.1	+0.1	0.0	+0.1	0.0
non- $t\bar{t}$ background	-0.6	-0.3	-3.6	0.0	+1.0	-0.3	+0.3	+1.1	+0.3	+0.8	+1.1	+0.9
	+0.5	+0.3	+3.5	+0.1	-1.0	+0.3	-0.2	-1.1	-0.3	-0.8	-1.0	-0.9
b-tagging	-0.2	0.0	-0.1	0.0	+0.1	0.0	+0.1	-0.1	0.0	+0.1	0.0	+0.1
	+0.2	0.0	+0.1	0.0	-0.1	0.0	-0.1	+0.1	0.0	-0.1	0.0	-0.1
b-tagging (light jets)	-0.1	-0.1	-0.9	+0.1	+0.3	-0.1	+0.2	+0.4	0.0	+0.3	+0.2	+0.1
	+0.1	+0.1	+0.9	-0.1	-0.3	+0.1	-0.2	-0.4	0.0	-0.3	-0.2	-0.1
luminosity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
branching ratio $t\bar{t} \rightarrow \ell\ell$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PDF eigenvector 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PDF eigenvector 2	+0.2	-0.1	-0.4	0.0	0.0	0.0	-0.1	+0.1	0.0	0.0	0.0	+0.2
	-0.2	-0.1	+0.3	0.0	0.0	0.0	0.0	0.0	+0.1	-0.1	-0.1	0.0
PDF eigenvector 3	0.0	0.0	+0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.1	-0.1
	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.1
PDF eigenvector 4	+0.2	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	-0.1	+0.1	+0.1	+0.1
	-0.1	-0.1	+0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
PDF eigenvector 5	-0.2	-0.1	+0.2	-0.1	0.0	0.0	0.0	0.0	+0.1	-0.1	-0.2	0.0
	0.0	0.0	+0.1	0.0	0.0	+0.1	+0.1	-0.1	0.0	+0.1	+0.1	-0.1
PDF eigenvector 6	+0.1	+0.1	-0.3	0.0	+0.1	0.0	0.0	0.0	-0.1	+0.1	+0.2	+0.1
	0.0	-0.1	+0.2	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0
PDF eigenvector 7	-0.3	-0.1	+0.4	-0.1	0.0	-0.1	0.0	0.0	+0.2	-0.2	-0.4	0.0
	+0.2	+0.1	-0.2	+0.1	0.0	0.0	0.0	0.0	-0.1	+0.2	+0.2	0.0
PDF eigenvector 8	-0.1	+0.1	-0.1	-0.1	+0.1	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
	+0.1	-0.1	+0.1	0.0	-0.1	0.0	0.0	+0.1	0.0	+0.1	0.0	0.0
PDF eigenvector 9	+0.1	0.0	+0.1	0.0	-0.1	0.0	0.0	+0.1	0.0	-0.1	-0.1	0.0
	-0.1	+0.1	-0.1	0.0	+0.1	0.0	0.0	-0.1	0.0	+0.1	+0.1	0.0
PDF eigenvector 10	+0.2	+0.1	-0.3	+0.1	0.0	0.0	0.0	0.0	-0.1	+0.1	+0.2	0.0
	-0.2	-0.1	+0.3	-0.1	0.0	0.0	0.0	0.0	+0.1	-0.2	-0.2	0.0
PDF eigenvector 11	+0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.1	0.0
	-0.1	-0.1	+0.1	0.0	0.0	0.0	0.0	0.0	+0.1	-0.1	-0.1	0.0
PDF eigenvector 12	-0.2	0.0	+0.1	-0.1	0.0	0.0	0.0	0.0	+0.1	-0.1	-0.1	0.0
	+0.2	0.0	-0.1	+0.1	0.0	0.0	0.0	0.0	-0.1	+0.1	+0.1	0.0
PDF eigenvector 13	-0.1	+0.1	+0.1	0.0	+0.1	0.0	0.0	-0.1	0.0	0.0	+0.1	-0.1
	+0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0	+0.1	0.0	0.0	-0.1	+0.1
PDF eigenvector 14	-0.1	0.0	+0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
	+0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	+0.1	0.0