

source / bin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
trigger (η)	-0.3	-0.2	-0.3	+0.7	-0.2	-0.2	-0.2	+0.4	0.0	-0.1	-0.2	+0.3	-0.2	-0.1	-0.3	+0.9	-0.3	-0.2	-0.2	+0.5	0.0	-0.1	-0.3	+0.2	-0.2	0.0	-0.4	+0.7	-0.3	-0.2	-0.2	+0.6	0.0	-0.1	-0.3	+0.2	
	+0.3	+0.2	+0.3	-0.6	+0.2	+0.2	+0.2	-0.4	0.0	+0.1	+0.2	-0.3	+0.2	+0.1	+0.3	-0.9	+0.3	+0.2	+0.2	-0.5	0.0	+0.1	+0.3	-0.2	+0.2	0.0	+0.4	-0.7	+0.3	+0.2	+0.2	-0.6	0.0	+0.1	+0.3	-0.3	
non-tf background	-0.9	-0.7	-1.8	-3.9	-0.2	-0.2	+0.2	0.0	+0.6	+0.3	+0.7	-0.3	+0.7	+1.1	+1.2	-3.7	0.0	+0.5	+0.5	+0.3	+0.8	+0.8	+0.6	+0.2	+2.9	+2.4	+3.0	+0.6	+0.9	+0.5	+0.3	+1.0	+1.2	+0.4	+1.3	-0.6	
	+1.1	+0.5	+2.0	+3.7	+0.1	+0.1	-0.3	-0.2	-0.5	-0.3	-0.6	+0.3	-0.6	-0.8	-0.8	+3.4	-0.1	-0.5	-0.5	-0.6	-0.8	-0.8	-0.5	-0.1	-3.0	-2.5	-2.9	-0.1	-0.8	-0.4	-0.3	-1.0	-1.2	-0.3	-1.2	+0.5	
b-tagging	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.4	-0.4	-0.5	-0.2	+0.1	+0.1	+0.1	+0.1	+0.1	+0.1	+0.2	+0.2	-0.8	-0.7	-0.8	-0.3	+0.4	+0.4	+0.4	+0.3	+0.4	+0.4	+0.3	+0.5	
	0.0	0.0	+0.1	+0.1	+0.1	+0.1	+0.1	0.0	+0.1	0.0	0.0	0.0	+0.4	+0.4	+0.5	+0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	+0.8	+0.7	+0.9	+0.3	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.3	-0.5	
b-tagging (light jets)	-0.3	-0.3	-0.5	-0.9	+0.1	+0.1	+0.3	+0.2	+0.2	+0.2	+0.2	+0.1	+0.4	+0.3	0.0	-1.1	0.0	+0.1	+0.2	+0.2	+0.1	+0.1	+0.1	0.0	+0.5	+0.9	+0.7	-1.0	+0.3	-0.1	+0.2	+0.3	-0.1	-0.2	-0.2	-0.5	
	+0.3	+0.3	+0.5	+0.9	-0.1	-0.2	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	-0.4	-0.3	+0.1	+1.1	-0.1	-0.1	-0.2	-0.2	-0.1	-0.1	-0.1	0.0	-0.5	-0.9	-0.7	+1.1	-0.3	+0.1	-0.2	-0.3	0.0	+0.2	+0.2	+0.5	
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	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	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	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	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	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	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	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	-0.1	0.0	0.0	0.0	0.0	0.0	+0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	+0.1	+0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	+0.1	+0.1	+0.1	
PDF eigenvector 2	0.0	-0.1	+0.1	+0.1	-0.3	-0.1	0.0	0.0	+0.2	+0.1	0.0	-0.1	+0.1	-0.1	+0.1	+0.1	-0.5	-0.2	+0.1	+0.1	+0.2	+0.1	0.0	-0.2	+0.4	0.0	+0.1	0.0	-0.6	-0.3	+0.1	+0.1	+0.3	+0.2	0.0	-0.1	
	0.0	0.0	0.0	0.0	+0.1	0.0	0.0	+0.1	-0.1	-0.1	-0.1	+0.1	-0.1	-0.1	0.0	0.0	+0.2	+0.1	+0.1	+0.1	-0.1	-0.1	-0.1	+0.1	-0.3	-0.2	-0.1	0.0	+0.3	+0.2	+0.2	+0.2	-0.2	-0.2	-0.1	-0.1	
PDF eigenvector 3	+0.1	+0.1	0.0	-0.1	+0.1	0.0	0.0	-0.2	+0.1	+0.1	+0.1	-0.2	+0.1	+0.1	+0.1	-0.1	+0.1	0.0	-0.1	-0.3	+0.1	+0.1	+0.1	0.0	+0.1	+0.2	+0.1	+0.1	0.0	0.0	-0.3	-0.4	+0.1	+0.1	+0.1	+0.2	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.1	0.0	0.0	-0.1	+0.1	0.0	-0.1	0.0	0.0	0.0	0.0	+0.1	+0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	+0.1	+0.2	0.0	-0.1	-0.1	-0.1	-0.1	
PDF eigenvector 4	0.0	0.0	0.0	+0.1	-0.2	-0.1	0.0	0.0	+0.1	+0.1	0.0	0.0	+0.1	0.0	0.0	+0.1	-0.3	-0.2	0.0	+0.1	+0.1	+0.1	0.0	-0.1	+0.3	+0.1	0.0	0.0	-0.4	-0.2	0.0	+0.1	+0.2	+0.2	0.0	-0.1	
	0.0	0.0	0.0	0.0	+0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.1	+0.1	+0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1	0.0	+0.2	+0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	+0.1	
PDF eigenvector 5	-0.1	-0.1	0.0	+0.1	0.0	0.0	+0.1	+0.3	-0.2	-0.2	-0.2	+0.4	-0.2	-0.2	-0.1	+0.1	+0.2	+0.2	+0.3	+0.4	-0.2	-0.2	-0.2	+0.1	-0.4	-0.4	-0.3	-0.1	+0.3	+0.3	+0.5	+0.5	-0.3	-0.4	-0.3	-0.3	
	+0.1	+0.2	+0.1	-0.1	+0.1	+0.1	-0.1	-0.3	+0.2	+0.1	+0.1	-0.4	+0.1	+0.2	+0.2	-0.2	+0.1	0.0	-0.3	-0.5	+0.2	+0.1	+0.1	-0.1	+0.1	+0.3	+0.3	+0.1	0.0	-0.5	-0.7	+0.2	+0.3	+0.2	+0.3		
PDF eigenvector 6	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	+0.1	+0.1	0.0	0.0	+0.1	+0.1	0.0	0.0	-0.2	-0.1	-0.1	-0.1	-0.1	+0.1	+0.1	0.0	+0.2	+0.2	+0.1	0.0	-0.2	-0.2	-0.2	-0.1	+0.1	+0.1	+0.1	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	+0.1	0.0	+0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	+0.1	+0.1	+0.1	+0.1	-0.1	-0.1	0.0	0.0	
PDF eigenvector 7	-0.2	-0.2	0.0	+0.2	+0.1	+0.1	+0.2	+0.4	-0.3	-0.3	-0.3	+0.5	-0.3	-0.4	-0.1	+0.2	+0.3	+0.3	+0.6	+0.6	-0.4	-0.3	-0.4	0.0	-0.6	-0.7	-0.4	-0.1	+0.6	+0.5	+0.9	+0.8	-0.6	-0.6	-0.6	-0.5	
	+0.1	+0.1	0.0	-0.1	0.0	0.0	-0.1	-0.3	+0.2	+0.2	+0.2	-0.3	+0.2	+0.2	+0.1	-0.1	-0.2	-0.1	-0.3	-0.4	+0.2	+0.2	+0.2	0.0	+0.3	+0.4	+0.2	+0.1	-0.3	-0.3	-0.5	-0.5	+0.3	+0.3	+0.3	+0.2	
PDF eigenvector 8	-0.1	0.0	-0.1	0.0	0.0	+0.1	0.0	+0.2	-0.1	0.0	-0.1	+0.1	-0.1	0.0	0.0	0.0	0.0	+0.1	+0.1	+0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	+0.1	+0.1	0.0	+0.2	-0.1	-0.1	-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	0.0	0.0	0.0	0.0	0.0	0.0	-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	0.0	-0.1	+0.1	0.0	0.0	0.0	
PDF eigenvector 9	0.0	0.0	+0.1	+0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	+0.1	0.0	0.0	+0.1	0.0	0.0	+0.1	0.0	0.0	0.0	0.0	-0.1	+0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	
	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	+0.2	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	+0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PDF eigenvector 10	+0.1	+0.1	0.0	-0.1	0.0	0.0	-0.1	-0.2	+0.1	+0.1	+0.1	-0.2	+0.2	+0.2	0.0	-0.1	-0.2	-0.1	-0.3	-0.3	+0.2	+0.2	+0.2	0.0	+0.3	+0.4	+0.2	+0.1	-0.3	-0.3	-0.4	-0.4	+0.3	+0.3	+0.3	+0.2	
	-0.1	-0.1	0.0	+0.1	0.0	0.0	+0.1	+0.2	-0.1	-0.2	-0.2	+0.2	-0.2	-0.2	0.0	+0.1	+0.2	+0.2	+0.3	+0.3	-0.2	-0.2	-0.2	0.0	-0.4	-0.4	-0.2	-0.1	+0.3	+0.3	+0.5	+0.4	-0.3	-0.3	-0.3	-0.2	