



DeepAK8 W Binarized (Nominal)

Mass range (50, 250) 20bins

	2016			2017			2018		
pT Bins	WP: 0.5%	WP: 1.0%	WP: 5.0%	WP: 0.5%	WP: 1.0%	WP: 5.0%	WP: 0.5%	WP: 1.0%	WP: 5.0%
Bin 1	0.96 +0.08 -0.15	0.98 +0.14 -0.15	1.16 +0.13 -0.12	0.83 +0.05 -0.05	0.89 +0.04 -0.04	0.93 +0.15 -0.14	0.75 +0.03 -0.25	0.83 +0.03 -0.03	1.05 +0.27 -0.06
Bin 2	0.96 +0.04 -0.13	0.90 +0.12 -0.11	1.01 +0.10 -0.09	0.79 +0.04 -0.15	0.89 +0.04 -0.11	1.00 +0.12 -0.19	0.76 +0.03 -0.03	0.85 +0.03 -0.04	0.82 +0.07 -0.07
Bin 3	0.94 +0.10 -0.13	1.04 +0.11 -0.12	1.00 +0.12 -0.11	0.80 +0.05 -0.12	0.79 +0.13 -0.14	1.06 +0.11 -0.11	0.74 +0.04 -0.04	0.82 +0.04 -0.06	0.89 +0.08 -0.08

Bin 1: 200-300 GeV Bin 2: 300-400 GeV Bin 3: 400-800 GeV



DeepAK8 W Binarized (Mass Decorrelated)

Mass range (50, 250) 20bins

	2016			2017			2018		
pT Bins	WP: 0.5%	WP: 1.0%	WP: 5.0%	WP: 0.5%	WP: 1.0%	WP: 5.0%	WP: 0.5%	WP: 1.0%	WP: 5.0%
Bin 1	0.86 +0.09 -0.06	0.86 +0.08 -0.05	1.07 +0.06 -0.06	0.80 +0.10 -0.10	0.89 +0.08 -0.07	0.95 +0.11 -0.14	0.76 +0.74 -0.26	0.84 +0.05 -0.05	0.93 +0.03 -0.03
Bin 2	0.88 +0.08 -0.07	0.89 +0.07 -0.06	0.97 +0.04 -0.04	0.66 +0.08 -0.08	0.87 +0.08 -0.08	0.99 +0.04 -0.04	0.71 +0.05 -0.05	0.77 +0.05 -0.05	0.95 +0.03 -0.03
Bin 3	0.94 +0.11 -0.10	0.95 +0.09 -0.08	0.94 +0.05 -0.05	0.79 +0.08 -0.08	0.81 +0.07 -0.07	0.87 +0.05 -0.05	0.75 +0.06 -0.06	0.79 +0.05 -0.05	0.94 +0.03 -0.03

Bin 1: 200-300 GeV Bin 2: 300-400 GeV Bin 3: 400-800 GeV