

Collision energy	Dilepton mass range	Tune for PYTHIA CP5	Tune for HERWIG CH2
38.8 GeV	4.2 - 5.2 GeV	$0.99 \pm 0.05$ (stat) $\pm 0.020$ (range) $\pm 0.010$ (int)	$0.82 \pm 0.03$ (stat) $\pm 0.011$ (range) $\pm 0.05$ (int)
	5.2 - 6.2 GeV	$1.03 \pm 0.06$ (stat) $\pm 0.020$ (range) $\pm 0.025$ (int)	$0.85 \pm 0.03$ (stat) $\pm 0.010$ (range) $\pm 0.09$ (int)
	6.2 - 7.2 GeV	$1.07 \pm 0.08$ (stat) $\pm 0.010$ (range) $\pm 0.20$ (int)	$0.88 \pm 0.05$ (stat) $\pm 0.010$ (range) $\pm 0.11$ (int)
	7.2 - 8.7 GeV	$0.92 \pm 0.04$ (stat) $\pm 0.025$ (range) $\pm 0.005$ (int)	$0.80 \pm 0.03$ (stat) $\pm 0.016$ (range) $\pm 0.05$ (int)
	10.2 - 12.85 GeV	$0.87 \pm 0.31$ (stat) $\pm 0.18$ (range) $\pm 0.16$ (int)	$0.81 \pm 0.23$ (stat) $\pm 0.09$ (range) $\pm 0.06$ (int)
8 TeV	46 - 66 GeV	$2.36 \pm 0.17$ (stat) $\pm 0.0016$ (range) $\pm 0.05$ (int)	$2.15 \pm 0.27$ (stat) $\pm 0.03$ (range) $\pm 0.07$ (int)
	66 - 116 GeV	$2.51 \pm 0.07$ (stat) $\pm 0.017$ (range) $\pm 0.05$ (int)	$1.95 \pm 0.05$ (stat) $\pm 0.04$ (range) $\pm 0.011$ (int)
	116 - 150 GeV	$2.70 \pm 0.33$ (stat) $\pm 0.13$ (range) $\pm 0.17$ (int)	$2.1 \pm 0.4$ (stat) $\pm 0.0005$ (range) $\pm 0.006$ (int)
8.16 TeV	15 - 60 GeV	$3.0 \pm 0.4$ (stat) $\pm 0.19$ (range) $\pm 0.10$ (int)	$2.2 \pm 0.3$ (stat) $\pm 0.10$ (range) $\pm 0.11$ (int)
	60 - 120 GeV	$2.61 \pm 0.13$ (stat) $\pm 0.033$ (range) $\pm 0.009$ (int)	$1.89 \pm 0.18$ (stat) $\pm 0.08$ (range) $\pm 0.003$ (int)
13 TeV	50 - 76 GeV	$2.65 \pm 0.07$ (stat) $\pm 0.06$ (range) $\pm 0.017$ (int)	$1.91 \pm 0.14$ (stat) $\pm 0.02$ (range) $\pm 0.007$ (int)
	76 - 106 GeV	$2.66 \pm 0.03$ (stat) $\pm 0.08$ (range) $\pm 0.003$ (int)	$2.05 \pm 0.05$ (stat) $\pm 0.02$ (range) $\pm 0.01$ (int)
	106 - 170 GeV	$2.59 \pm 0.07$ (stat) $\pm 0.11$ (range) $\pm 0.03$ (int)	$2.34 \pm 0.23$ (stat) $\pm 0.07$ (range) $\pm 0.16$ (int)
	170 - 350 GeV	$2.65 \pm 0.16$ (stat) $\pm 0.07$ (range) $\pm 0.007$ (int)	$1.90 \pm 0.16$ (stat) $\pm 0.16$ (range) $\pm 0.02$ (int)
	350 - 1000 GeV	$2.17 \pm 0.4$ (stat) $\pm 0.018$ (range) $\pm 0.017$ (int)	$1.8 \pm 0.4$ (stat) $\pm 0.13$ (range) $\pm 0.03$ (int)