

$p_T^\Upsilon$ [GeV/c]	$\lambda$	$2.2 < y < 3.0$	$3.0 < y < 3.5$	$3.5 < y < 4.5$
0 – 2	$\lambda_\theta$	$0.220 \pm 0.063 \pm 0.042$	$0.104 \pm 0.034 \pm 0.027$	$-0.098 \pm 0.043 \pm 0.035$
	$\lambda_{\theta\phi}$	$-0.039 \pm 0.016 \pm 0.007$	$-0.041 \pm 0.012 \pm 0.006$	$0.041 \pm 0.016 \pm 0.010$
	$\lambda_\phi$	$0.009 \pm 0.008 \pm 0.004$	$-0.004 \pm 0.009 \pm 0.005$	$-0.024 \pm 0.009 \pm 0.004$
	$\tilde{\lambda}$	$0.249 \pm 0.069 \pm 0.045$	$0.092 \pm 0.045 \pm 0.032$	$-0.167 \pm 0.051 \pm 0.036$
2 – 4	$\lambda_\theta$	$0.175 \pm 0.045 \pm 0.025$	$0.053 \pm 0.025 \pm 0.020$	$-0.057 \pm 0.028 \pm 0.027$
	$\lambda_{\theta\phi}$	$-0.075 \pm 0.014 \pm 0.007$	$-0.009 \pm 0.011 \pm 0.006$	$0.034 \pm 0.016 \pm 0.015$
	$\lambda_\phi$	$0.000 \pm 0.007 \pm 0.002$	$-0.002 \pm 0.007 \pm 0.003$	$-0.033 \pm 0.009 \pm 0.005$
	$\tilde{\lambda}$	$0.176 \pm 0.051 \pm 0.029$	$0.047 \pm 0.036 \pm 0.026$	$-0.151 \pm 0.039 \pm 0.036$
4 – 6	$\lambda_\theta$	$0.069 \pm 0.045 \pm 0.037$	$0.055 \pm 0.026 \pm 0.017$	$-0.077 \pm 0.025 \pm 0.021$
	$\lambda_{\theta\phi}$	$-0.069 \pm 0.019 \pm 0.015$	$0.009 \pm 0.014 \pm 0.009$	$0.078 \pm 0.020 \pm 0.016$
	$\lambda_\phi$	$-0.006 \pm 0.009 \pm 0.005$	$-0.041 \pm 0.011 \pm 0.006$	$-0.053 \pm 0.013 \pm 0.008$
	$\tilde{\lambda}$	$0.050 \pm 0.057 \pm 0.045$	$-0.066 \pm 0.040 \pm 0.025$	$-0.223 \pm 0.044 \pm 0.035$
6 – 8	$\lambda_\theta$	$0.057 \pm 0.049 \pm 0.034$	$0.036 \pm 0.031 \pm 0.024$	$0.062 \pm 0.032 \pm 0.026$
	$\lambda_{\theta\phi}$	$-0.029 \pm 0.024 \pm 0.023$	$0.021 \pm 0.016 \pm 0.009$	$0.060 \pm 0.023 \pm 0.017$
	$\lambda_\phi$	$-0.030 \pm 0.015 \pm 0.013$	$-0.055 \pm 0.016 \pm 0.010$	$-0.048 \pm 0.021 \pm 0.019$
	$\tilde{\lambda}$	$-0.031 \pm 0.064 \pm 0.054$	$-0.121 \pm 0.047 \pm 0.025$	$-0.079 \pm 0.056 \pm 0.041$
8 – 10	$\lambda_\theta$	$0.076 \pm 0.059 \pm 0.044$	$0.117 \pm 0.044 \pm 0.034$	$0.076 \pm 0.047 \pm 0.039$
	$\lambda_{\theta\phi}$	$-0.068 \pm 0.027 \pm 0.016$	$-0.022 \pm 0.018 \pm 0.006$	$0.035 \pm 0.023 \pm 0.012$
	$\lambda_\phi$	$-0.004 \pm 0.021 \pm 0.011$	$-0.048 \pm 0.023 \pm 0.014$	$-0.062 \pm 0.031 \pm 0.024$
	$\tilde{\lambda}$	$0.065 \pm 0.077 \pm 0.045$	$-0.024 \pm 0.059 \pm 0.024$	$-0.103 \pm 0.070 \pm 0.038$
10 – 15	$\lambda_\theta$	$-0.021 \pm 0.051 \pm 0.029$	$0.123 \pm 0.042 \pm 0.030$	$0.135 \pm 0.051 \pm 0.048$
	$\lambda_{\theta\phi}$	$-0.009 \pm 0.023 \pm 0.010$	$-0.003 \pm 0.019 \pm 0.009$	$0.070 \pm 0.024 \pm 0.007$
	$\lambda_\phi$	$0.009 \pm 0.019 \pm 0.010$	$-0.059 \pm 0.022 \pm 0.013$	$-0.047 \pm 0.031 \pm 0.024$
	$\tilde{\lambda}$	$0.006 \pm 0.064 \pm 0.026$	$-0.052 \pm 0.060 \pm 0.026$	$-0.005 \pm 0.076 \pm 0.033$
15 – 20	$\lambda_\theta$	$0.032 \pm 0.091 \pm 0.045$	$0.046 \pm 0.077 \pm 0.049$	$0.082 \pm 0.111 \pm 0.058$
	$\lambda_{\theta\phi}$	$0.096 \pm 0.048 \pm 0.015$	$0.007 \pm 0.050 \pm 0.022$	$0.104 \pm 0.072 \pm 0.027$
	$\lambda_\phi$	$0.008 \pm 0.033 \pm 0.013$	$0.099 \pm 0.040 \pm 0.018$	$0.119 \pm 0.058 \pm 0.022$
	$\tilde{\lambda}$	$0.055 \pm 0.130 \pm 0.044$	$0.382 \pm 0.175 \pm 0.083$	$0.500 \pm 0.252 \pm 0.094$