

$p_T^\Upsilon$ [GeV/c]	$\lambda$	$2.2 < y < 3.0$	$3.0 < y < 3.5$	$3.5 < y < 4.5$
0 – 2	$\lambda_\theta$	$0.252 \pm 0.101 \pm 0.054$	$0.131 \pm 0.057 \pm 0.035$	$-0.156 \pm 0.067 \pm 0.054$
	$\lambda_{\theta\phi}$	$-0.033 \pm 0.026 \pm 0.009$	$-0.002 \pm 0.020 \pm 0.007$	$-0.041 \pm 0.025 \pm 0.014$
	$\lambda_\phi$	$0.002 \pm 0.014 \pm 0.004$	$-0.009 \pm 0.015 \pm 0.005$	$0.017 \pm 0.015 \pm 0.005$
	$\tilde{\lambda}$	$0.259 \pm 0.111 \pm 0.061$	$0.104 \pm 0.075 \pm 0.039$	$-0.107 \pm 0.083 \pm 0.059$
2 – 4	$\lambda_\theta$	$0.210 \pm 0.070 \pm 0.037$	$0.131 \pm 0.040 \pm 0.029$	$-0.081 \pm 0.042 \pm 0.033$
	$\lambda_{\theta\phi}$	$-0.035 \pm 0.021 \pm 0.009$	$-0.052 \pm 0.018 \pm 0.008$	$0.030 \pm 0.024 \pm 0.014$
	$\lambda_\phi$	$-0.017 \pm 0.010 \pm 0.004$	$0.018 \pm 0.012 \pm 0.004$	$-0.002 \pm 0.013 \pm 0.005$
	$\tilde{\lambda}$	$0.156 \pm 0.078 \pm 0.040$	$0.190 \pm 0.060 \pm 0.037$	$-0.088 \pm 0.061 \pm 0.042$
4 – 6	$\lambda_\theta$	$0.121 \pm 0.066 \pm 0.037$	$0.048 \pm 0.039 \pm 0.023$	$-0.086 \pm 0.039 \pm 0.022$
	$\lambda_{\theta\phi}$	$-0.046 \pm 0.027 \pm 0.016$	$0.092 \pm 0.022 \pm 0.010$	$0.180 \pm 0.030 \pm 0.024$
	$\lambda_\phi$	$0.015 \pm 0.013 \pm 0.005$	$-0.030 \pm 0.015 \pm 0.006$	$-0.035 \pm 0.019 \pm 0.013$
	$\tilde{\lambda}$	$0.168 \pm 0.085 \pm 0.049$	$-0.040 \pm 0.061 \pm 0.034$	$-0.185 \pm 0.067 \pm 0.048$
6 – 8	$\lambda_\theta$	$-0.018 \pm 0.066 \pm 0.043$	$0.109 \pm 0.045 \pm 0.027$	$0.049 \pm 0.044 \pm 0.026$
	$\lambda_{\theta\phi}$	$0.003 \pm 0.033 \pm 0.023$	$0.168 \pm 0.025 \pm 0.013$	$0.216 \pm 0.036 \pm 0.024$
	$\lambda_\phi$	$0.024 \pm 0.019 \pm 0.011$	$-0.090 \pm 0.023 \pm 0.011$	$-0.050 \pm 0.029 \pm 0.019$
	$\tilde{\lambda}$	$0.056 \pm 0.095 \pm 0.062$	$-0.146 \pm 0.066 \pm 0.029$	$-0.096 \pm 0.082 \pm 0.044$
8 – 10	$\lambda_\theta$	$0.083 \pm 0.077 \pm 0.050$	$0.078 \pm 0.055 \pm 0.041$	$0.018 \pm 0.055 \pm 0.051$
	$\lambda_{\theta\phi}$	$-0.022 \pm 0.037 \pm 0.019$	$0.099 \pm 0.024 \pm 0.010$	$0.125 \pm 0.032 \pm 0.021$
	$\lambda_\phi$	$0.023 \pm 0.027 \pm 0.017$	$-0.029 \pm 0.029 \pm 0.019$	$0.013 \pm 0.036 \pm 0.031$
	$\tilde{\lambda}$	$0.155 \pm 0.107 \pm 0.049$	$-0.010 \pm 0.078 \pm 0.026$	$0.057 \pm 0.096 \pm 0.058$
10 – 15	$\lambda_\theta$	$0.388 \pm 0.076 \pm 0.062$	$0.209 \pm 0.054 \pm 0.047$	$0.200 \pm 0.065 \pm 0.077$
	$\lambda_{\theta\phi}$	$-0.045 \pm 0.030 \pm 0.015$	$0.069 \pm 0.022 \pm 0.009$	$0.077 \pm 0.028 \pm 0.012$
	$\lambda_\phi$	$-0.055 \pm 0.026 \pm 0.019$	$-0.042 \pm 0.027 \pm 0.019$	$-0.022 \pm 0.038 \pm 0.039$
	$\tilde{\lambda}$	$0.212 \pm 0.082 \pm 0.033$	$0.079 \pm 0.075 \pm 0.028$	$0.130 \pm 0.095 \pm 0.058$
15 – 20	$\lambda_\theta$	$0.019 \pm 0.096 \pm 0.103$	$0.246 \pm 0.095 \pm 0.113$	$0.065 \pm 0.114 \pm 0.118$
	$\lambda_{\theta\phi}$	$0.043 \pm 0.051 \pm 0.037$	$-0.062 \pm 0.057 \pm 0.046$	$0.201 \pm 0.072 \pm 0.057$
	$\lambda_\phi$	$-0.015 \pm 0.037 \pm 0.028$	$-0.073 \pm 0.049 \pm 0.045$	$-0.016 \pm 0.068 \pm 0.060$
	$\tilde{\lambda}$	$-0.025 \pm 0.129 \pm 0.083$	$0.025 \pm 0.155 \pm 0.118$	$0.018 \pm 0.208 \pm 0.167$