

$p_T^\Upsilon$ [GeV/c]	$\lambda$	$2.2 < y < 3.0$	$3.0 < y < 3.5$	$3.5 < y < 4.5$
0 – 2	$\lambda_\theta$	$0.218 \pm 0.057 \pm 0.042$	$0.106 \pm 0.034 \pm 0.022$	$-0.120 \pm 0.046 \pm 0.037$
	$\lambda_{\theta\phi}$	$0.064 \pm 0.019 \pm 0.014$	$0.007 \pm 0.012 \pm 0.005$	$0.050 \pm 0.014 \pm 0.007$
	$\lambda_\phi$	$0.014 \pm 0.009 \pm 0.005$	$-0.008 \pm 0.009 \pm 0.004$	$-0.014 \pm 0.009 \pm 0.004$
	$\tilde{\lambda}$	$0.264 \pm 0.067 \pm 0.048$	$0.082 \pm 0.045 \pm 0.025$	$-0.161 \pm 0.052 \pm 0.040$
2 – 4	$\lambda_\theta$	$0.153 \pm 0.036 \pm 0.032$	$0.018 \pm 0.026 \pm 0.017$	$-0.125 \pm 0.034 \pm 0.027$
	$\lambda_{\theta\phi}$	$0.108 \pm 0.019 \pm 0.019$	$0.041 \pm 0.011 \pm 0.005$	$0.034 \pm 0.011 \pm 0.006$
	$\lambda_\phi$	$0.017 \pm 0.008 \pm 0.006$	$0.009 \pm 0.007 \pm 0.003$	$-0.014 \pm 0.007 \pm 0.003$
	$\tilde{\lambda}$	$0.208 \pm 0.052 \pm 0.049$	$0.046 \pm 0.037 \pm 0.022$	$-0.166 \pm 0.040 \pm 0.030$
4 – 6	$\lambda_\theta$	$0.065 \pm 0.033 \pm 0.025$	$-0.072 \pm 0.026 \pm 0.017$	$-0.201 \pm 0.036 \pm 0.023$
	$\lambda_{\theta\phi}$	$0.066 \pm 0.024 \pm 0.029$	$0.041 \pm 0.013 \pm 0.005$	$-0.025 \pm 0.014 \pm 0.008$
	$\lambda_\phi$	$-0.005 \pm 0.013 \pm 0.015$	$-0.003 \pm 0.009 \pm 0.004$	$-0.018 \pm 0.009 \pm 0.004$
	$\tilde{\lambda}$	$0.048 \pm 0.058 \pm 0.064$	$-0.079 \pm 0.041 \pm 0.021$	$-0.250 \pm 0.045 \pm 0.027$
6 – 8	$\lambda_\theta$	$0.008 \pm 0.036 \pm 0.022$	$-0.101 \pm 0.031 \pm 0.017$	$-0.144 \pm 0.042 \pm 0.026$
	$\lambda_{\theta\phi}$	$0.045 \pm 0.027 \pm 0.030$	$0.002 \pm 0.015 \pm 0.008$	$-0.020 \pm 0.018 \pm 0.009$
	$\lambda_\phi$	$-0.012 \pm 0.020 \pm 0.022$	$-0.010 \pm 0.013 \pm 0.007$	$0.017 \pm 0.013 \pm 0.006$
	$\tilde{\lambda}$	$-0.027 \pm 0.066 \pm 0.063$	$-0.129 \pm 0.047 \pm 0.022$	$-0.093 \pm 0.057 \pm 0.031$
8 – 10	$\lambda_\theta$	$0.019 \pm 0.048 \pm 0.040$	$-0.119 \pm 0.042 \pm 0.030$	$-0.120 \pm 0.056 \pm 0.035$
	$\lambda_{\theta\phi}$	$0.068 \pm 0.027 \pm 0.020$	$0.026 \pm 0.016 \pm 0.006$	$-0.028 \pm 0.021 \pm 0.008$
	$\lambda_\phi$	$0.012 \pm 0.027 \pm 0.028$	$0.030 \pm 0.018 \pm 0.008$	$0.006 \pm 0.018 \pm 0.008$
	$\tilde{\lambda}$	$0.054 \pm 0.077 \pm 0.059$	$-0.029 \pm 0.060 \pm 0.021$	$-0.103 \pm 0.070 \pm 0.029$
10 – 15	$\lambda_\theta$	$0.088 \pm 0.052 \pm 0.051$	$-0.086 \pm 0.043 \pm 0.031$	$-0.078 \pm 0.059 \pm 0.033$
	$\lambda_{\theta\phi}$	$0.018 \pm 0.020 \pm 0.007$	$-0.032 \pm 0.017 \pm 0.008$	$-0.097 \pm 0.023 \pm 0.008$
	$\lambda_\phi$	$-0.034 \pm 0.026 \pm 0.024$	$0.014 \pm 0.017 \pm 0.009$	$0.022 \pm 0.019 \pm 0.007$
	$\tilde{\lambda}$	$-0.012 \pm 0.062 \pm 0.029$	$-0.044 \pm 0.060 \pm 0.028$	$-0.011 \pm 0.077 \pm 0.031$
15 – 20	$\lambda_\theta$	$0.161 \pm 0.096 \pm 0.058$	$0.150 \pm 0.103 \pm 0.062$	$0.336 \pm 0.164 \pm 0.083$
	$\lambda_{\theta\phi}$	$-0.043 \pm 0.045 \pm 0.017$	$0.007 \pm 0.044 \pm 0.015$	$-0.008 \pm 0.069 \pm 0.028$
	$\lambda_\phi$	$-0.039 \pm 0.045 \pm 0.024$	$0.079 \pm 0.035 \pm 0.012$	$0.054 \pm 0.049 \pm 0.017$
	$\tilde{\lambda}$	$0.043 \pm 0.129 \pm 0.051$	$0.419 \pm 0.177 \pm 0.078$	$0.527 \pm 0.254 \pm 0.101$