

$p_T^\Upsilon$ [GeV/c]	$\lambda$	$2.2 < y < 3.0$	$3.0 < y < 3.5$	$3.5 < y < 4.5$
0 – 2	$\lambda_\theta$	$0.231 \pm 0.166 \pm 0.072$	$-0.072 \pm 0.090 \pm 0.076$	$-0.437 \pm 0.108 \pm 0.081$
	$\lambda_{\theta\phi}$	$0.033 \pm 0.043 \pm 0.013$	$0.022 \pm 0.030 \pm 0.008$	$-0.002 \pm 0.036 \pm 0.010$
	$\lambda_\phi$	$-0.007 \pm 0.022 \pm 0.005$	$-0.028 \pm 0.025 \pm 0.007$	$-0.024 \pm 0.024 \pm 0.007$
	$\tilde{\lambda}$	$0.209 \pm 0.181 \pm 0.077$	$-0.151 \pm 0.112 \pm 0.079$	$-0.499 \pm 0.122 \pm 0.083$
2 – 4	$\lambda_\theta$	$0.282 \pm 0.119 \pm 0.052$	$0.023 \pm 0.070 \pm 0.058$	$0.000 \pm 0.086 \pm 0.075$
	$\lambda_{\theta\phi}$	$0.070 \pm 0.032 \pm 0.010$	$0.036 \pm 0.024 \pm 0.007$	$0.003 \pm 0.030 \pm 0.009$
	$\lambda_\phi$	$0.030 \pm 0.016 \pm 0.004$	$0.009 \pm 0.018 \pm 0.005$	$0.013 \pm 0.018 \pm 0.005$
	$\tilde{\lambda}$	$0.382 \pm 0.138 \pm 0.061$	$0.051 \pm 0.093 \pm 0.069$	$0.039 \pm 0.105 \pm 0.086$
4 – 6	$\lambda_\theta$	$0.184 \pm 0.116 \pm 0.044$	$0.060 \pm 0.071 \pm 0.052$	$-0.238 \pm 0.084 \pm 0.064$
	$\lambda_{\theta\phi}$	$0.094 \pm 0.035 \pm 0.011$	$0.082 \pm 0.027 \pm 0.008$	$0.131 \pm 0.032 \pm 0.011$
	$\lambda_\phi$	$0.061 \pm 0.016 \pm 0.005$	$0.061 \pm 0.018 \pm 0.007$	$0.030 \pm 0.018 \pm 0.007$
	$\tilde{\lambda}$	$0.391 \pm 0.145 \pm 0.056$	$0.259 \pm 0.107 \pm 0.075$	$-0.154 \pm 0.108 \pm 0.083$
6 – 8	$\lambda_\theta$	$-0.044 \pm 0.114 \pm 0.041$	$-0.330 \pm 0.059 \pm 0.033$	$-0.404 \pm 0.080 \pm 0.044$
	$\lambda_{\theta\phi}$	$0.040 \pm 0.043 \pm 0.011$	$0.119 \pm 0.033 \pm 0.009$	$0.155 \pm 0.039 \pm 0.015$
	$\lambda_\phi$	$0.068 \pm 0.018 \pm 0.006$	$0.056 \pm 0.021 \pm 0.008$	$0.037 \pm 0.022 \pm 0.010$
	$\tilde{\lambda}$	$0.172 \pm 0.150 \pm 0.056$	$-0.170 \pm 0.099 \pm 0.055$	$-0.302 \pm 0.114 \pm 0.068$
8 – 10	$\lambda_\theta$	$-0.093 \pm 0.108 \pm 0.043$	$-0.213 \pm 0.054 \pm 0.023$	$-0.177 \pm 0.078 \pm 0.036$
	$\lambda_{\theta\phi}$	$0.031 \pm 0.057 \pm 0.017$	$0.078 \pm 0.044 \pm 0.012$	$0.085 \pm 0.054 \pm 0.022$
	$\lambda_\phi$	$0.104 \pm 0.023 \pm 0.010$	$0.092 \pm 0.027 \pm 0.009$	$0.046 \pm 0.030 \pm 0.015$
	$\tilde{\lambda}$	$0.246 \pm 0.163 \pm 0.067$	$0.068 \pm 0.117 \pm 0.044$	$-0.041 \pm 0.134 \pm 0.074$
10 – 15	$\lambda_\theta$	$-0.038 \pm 0.063 \pm 0.027$	$-0.168 \pm 0.039 \pm 0.021$	$-0.213 \pm 0.053 \pm 0.028$
	$\lambda_{\theta\phi}$	$0.110 \pm 0.050 \pm 0.017$	$0.115 \pm 0.040 \pm 0.016$	$0.122 \pm 0.051 \pm 0.024$
	$\lambda_\phi$	$0.068 \pm 0.022 \pm 0.012$	$0.078 \pm 0.027 \pm 0.013$	$0.040 \pm 0.032 \pm 0.016$
	$\tilde{\lambda}$	$0.177 \pm 0.108 \pm 0.049$	$0.073 \pm 0.099 \pm 0.043$	$-0.097 \pm 0.113 \pm 0.051$
15 – 20	$\lambda_\theta$	$-0.083 \pm 0.075 \pm 0.049$	$-0.109 \pm 0.072 \pm 0.070$	$-0.368 \pm 0.082 \pm 0.081$
	$\lambda_{\theta\phi}$	$0.242 \pm 0.074 \pm 0.040$	$0.116 \pm 0.068 \pm 0.035$	$0.107 \pm 0.088 \pm 0.050$
	$\lambda_\phi$	$0.064 \pm 0.048 \pm 0.037$	$0.049 \pm 0.058 \pm 0.048$	$0.044 \pm 0.079 \pm 0.077$
	$\tilde{\lambda}$	$0.117 \pm 0.168 \pm 0.114$	$0.041 \pm 0.183 \pm 0.112$	$-0.246 \pm 0.224 \pm 0.182$