

Table 1: The spin transfer for Λ , contributions to the systematic error due to MC uncertainty $\delta(MC_1)$, beam polarization $\delta(P_b)$, uncertainty of MC due to angle cut variation $\delta(MC_2)$, uncertainty of the ss-method $\delta(ss)$ and total systematic error δ_{sys} . x_F and x dependencies.

$\langle x_F \rangle$	D_{LL}^Λ	$\delta(MC_1)$	$\delta(P_b)$	$\delta(MC_2)$	$\delta(ss)$	δ_{sys}
0.110	0.028 ± 0.065	0.013	0.0015	0.027	0.023	0.038
0.207	-0.014 ± 0.104	0.035	0.0007	0.029	0.023	0.051
0.288	0.191 ± 0.114	0.023	0.0101	0.069	0.037	0.082
0.406	-0.271 ± 0.140	0.030	0.0144	0.045	0.034	0.065
$\langle x \rangle$	D_{LL}^Λ	$\delta(MC_1)$	$\delta(P_b)$	$\delta(MC_2)$	$\delta(ss)$	δ_{sys}
0.007	0.006 ± 0.075	0.041	0.0003	0.024	0.026	0.054
0.012	0.013 ± 0.102	0.020	0.0007	0.028	0.041	0.054
0.018	0.033 ± 0.120	0.049	0.0017	0.035	0.031	0.068
0.030	-0.019 ± 0.123	0.025	0.0010	0.035	0.016	0.046
0.089	-0.108 ± 0.124	0.026	0.0057	0.063	0.042	0.080
Total	-0.012 ± 0.047	0.016	0.0006	0.016	0.010	0.024

Table 2: The spin transfer for $\bar{\Lambda}$, contributions to the systematic error due to MC uncertainty $\delta(MC_1)$, beam polarization $\delta(P_b)$, uncertainty of MC due to angle cut variation $\delta(MC_2)$, uncertainty of the ss-method $\delta(ss)$ and total systematic error δ_{sys} . x_F and x dependencies.

$\langle x_F \rangle$	$D_{LL}^{\bar{\Lambda}}$	$\delta(MC_1)$	$\delta(P_b)$	$\delta(MC_2)$	$\delta(ss)$	δ_{sys}
0.104	0.070 ± 0.081	0.013	0.0037	0.022	0.027	0.037
0.189	0.252 ± 0.122	0.035	0.0134	0.085	0.046	0.104
0.263	0.362 ± 0.133	0.023	0.0192	0.040	0.040	0.064
0.381	0.396 ± 0.162	0.030	0.0210	0.071	0.057	0.098
$\langle x \rangle$	$D_{LL}^{\bar{\Lambda}}$	$\delta(MC_1)$	$\delta(P_b)$	$\delta(MC_2)$	$\delta(ss)$	δ_{sys}
0.007	0.092 ± 0.091	0.041	0.0049	0.027	0.035	0.060
0.011	0.275 ± 0.118	0.020	0.0146	0.030	0.078	0.087
0.017	0.169 ± 0.142	0.049	0.0090	0.059	0.029	0.082
0.028	0.344 ± 0.147	0.025	0.0182	0.049	0.031	0.066
0.082	0.496 ± 0.151	0.026	0.0263	0.073	0.051	0.096
Total	0.249 ± 0.056	0.016	0.0132	0.044	0.016	0.049