

Table 1: Extracted fit parameters. The uncertainties marked as “stat.” are those returned by MINUIT, and those marked as “syst.” result from the systematic analysis.

Centrality	λ	R
0–10%	$1.14 \pm 0.29 \text{ (stat.)} \pm 0.18 \text{ (syst.)}$	$6.02 \pm 0.82 \text{ (stat.)} \pm 0.65 \text{ (syst.)}$
10–30%	$0.82 \pm 0.18 \text{ (stat.)} \pm 0.16 \text{ (syst.)}$	$4.50 \pm 0.51 \text{ (stat.)} \pm 0.45 \text{ (syst.)}$
30–50%	$0.90 \pm 0.22 \text{ (stat.)} \pm 0.19 \text{ (syst.)}$	$3.61 \pm 0.44 \text{ (stat.)} \pm 0.30 \text{ (syst.)}$

System	$\Re f_0$	$\Im f_0$	d_0
$\Lambda K^+ \text{ \& } \bar{\Lambda} K^-$	$-0.60 \pm 0.12 \text{ (stat.)} \pm 0.11 \text{ (syst.)}$	$0.51 \pm 0.15 \text{ (stat.)} \pm 0.12 \text{ (syst.)}$	$0.83 \pm 0.47 \text{ (stat.)} \pm 1.23 \text{ (syst.)}$
$\Lambda K^- \text{ \& } \bar{\Lambda} K^+$	$0.27 \pm 0.12 \text{ (stat.)} \pm 0.07 \text{ (syst.)}$	$0.40 \pm 0.11 \text{ (stat.)} \pm 0.07 \text{ (syst.)}$	$-5.23 \pm 2.13 \text{ (stat.)} \pm 4.80 \text{ (syst.)}$
$\Lambda K_S^0 \text{ \& } \bar{\Lambda} K_S^0$	$0.10 \pm 0.13 \text{ (stat.)} \pm 0.07 \text{ (syst.)}$	$0.58 \pm 0.15 \text{ (stat.)} \pm 0.13 \text{ (syst.)}$	$-1.85 \pm 1.71 \text{ (stat.)} \pm 2.77 \text{ (syst.)}$

Table 2: Extracted fit parameters. The uncertainties marked as “stat.” are those returned by MINUIT, and those marked as “syst.” result from the systematic analysis.

Centrality	λ_{Fit}	R_{inv}
0–10%	$1.14 \pm 0.29 \text{ (stat.)} \pm 0.18 \text{ (syst.)}$	$6.02 \pm 0.82 \text{ (stat.)} \pm 0.65 \text{ (syst.)}$
10–30%	$0.82 \pm 0.18 \text{ (stat.)} \pm 0.16 \text{ (syst.)}$	$4.50 \pm 0.51 \text{ (stat.)} \pm 0.45 \text{ (syst.)}$
30–50%	$0.90 \pm 0.22 \text{ (stat.)} \pm 0.19 \text{ (syst.)}$	$3.61 \pm 0.44 \text{ (stat.)} \pm 0.30 \text{ (syst.)}$

System	$\Re f_0$	$\Im f_0$	d_0
$\Lambda K^+ \text{ \& } \bar{\Lambda} K^-$	$-0.60 \pm 0.12 \text{ (stat.)} \pm 0.11 \text{ (syst.)}$	$0.51 \pm 0.15 \text{ (stat.)} \pm 0.12 \text{ (syst.)}$	$0.83 \pm 0.47 \text{ (stat.)} \pm 1.23 \text{ (syst.)}$
$\Lambda K^- \text{ \& } \bar{\Lambda} K^+$	$0.27 \pm 0.12 \text{ (stat.)} \pm 0.07 \text{ (syst.)}$	$0.40 \pm 0.11 \text{ (stat.)} \pm 0.07 \text{ (syst.)}$	$-5.23 \pm 2.13 \text{ (stat.)} \pm 4.80 \text{ (syst.)}$
$\Lambda K_S^0 \text{ \& } \bar{\Lambda} K_S^0$	$0.10 \pm 0.13 \text{ (stat.)} \pm 0.07 \text{ (syst.)}$	$0.58 \pm 0.15 \text{ (stat.)} \pm 0.13 \text{ (syst.)}$	$-1.85 \pm 1.71 \text{ (stat.)} \pm 2.77 \text{ (syst.)}$