

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