

0.1 Model: Lambda-Kaon

Talk about Lednicky model

$$\begin{aligned}
 C(k^*) &= 1 + \lambda [\alpha \exp(-4k^{*2}R^2) + C_{FSI}(k^*)] \\
 C_{FSI}(k^*) &= (1 + \alpha) \left[\frac{1}{2} \left| \frac{f(k^*)}{R} \right|^2 \left(1 - \frac{d_0}{2\sqrt{\pi}R} \right) + \frac{2\Re f(k^*)}{\sqrt{\pi}R} F_1(2k^*R) - \frac{\Im f(k^*)}{R} F_2(2k^*R) \right] \\
 f(k^*) &= \left(\frac{1}{f_0} + \frac{1}{2} d_0 k^{*2} - i k^* \right)^{-1}
 \end{aligned} \tag{1}$$

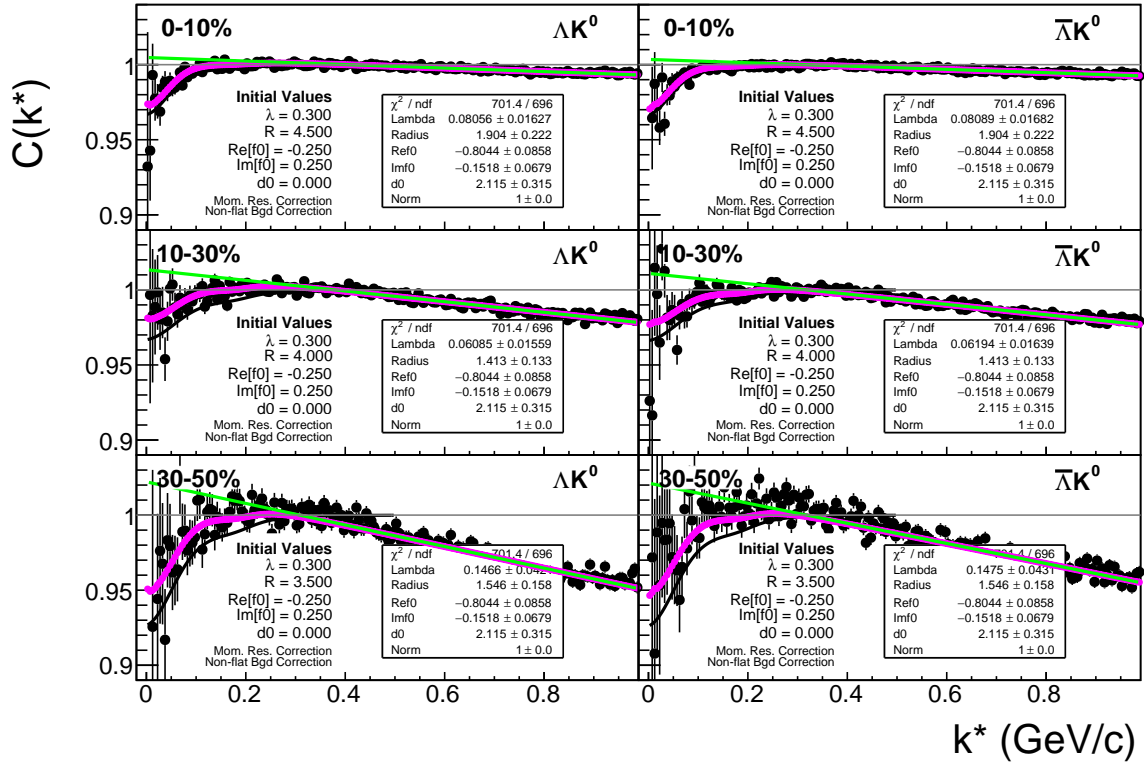
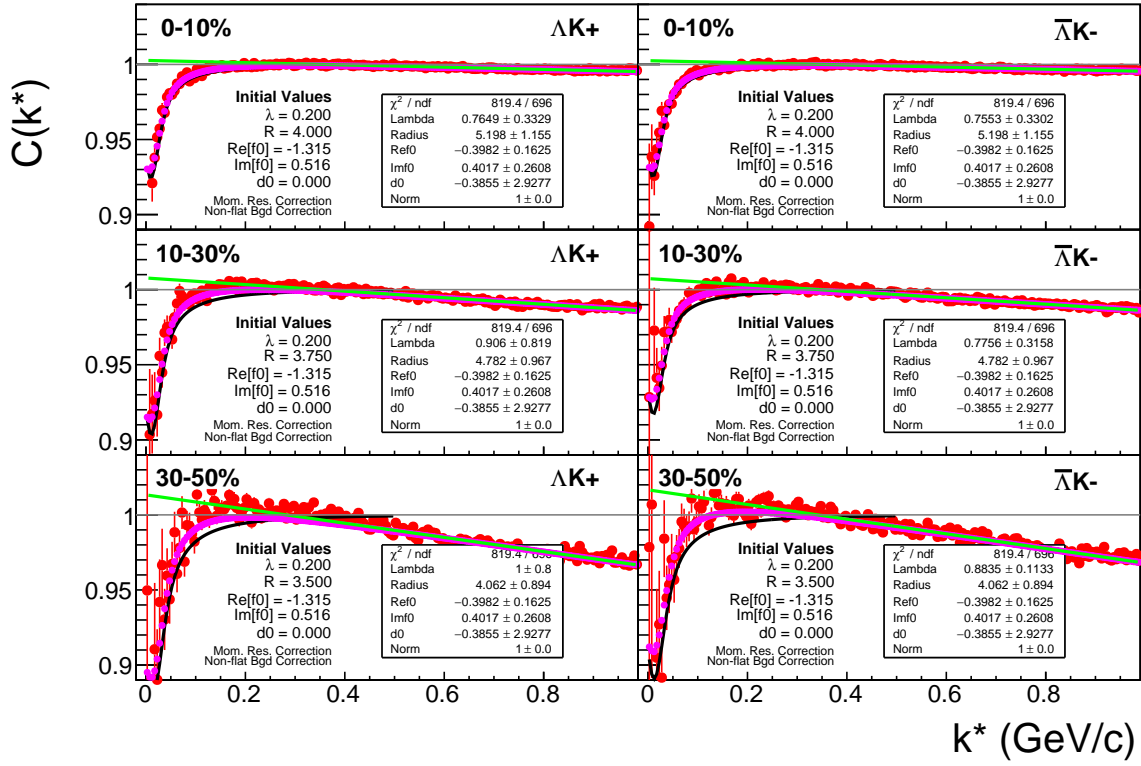
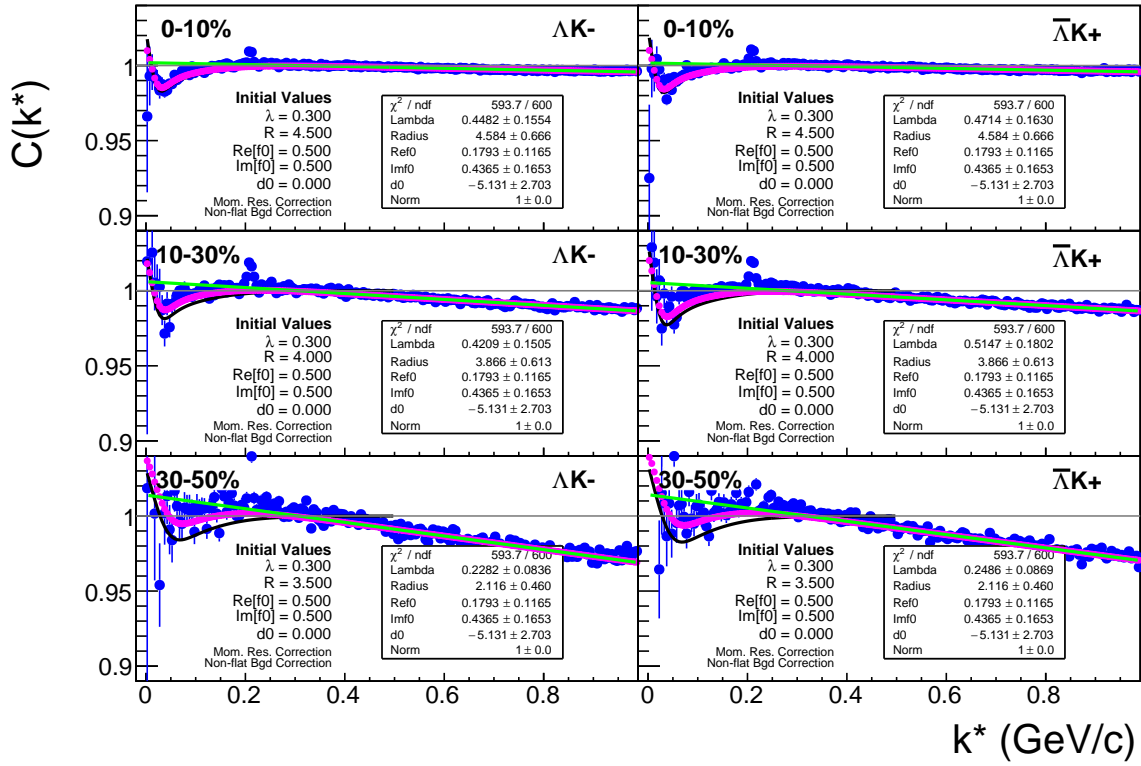


Fig. 1: $\Lambda K_S^0(\bar{\Lambda} K_S^0)$ Fits

Fig. 2: $\Lambda K^+ (\bar{\Lambda} K^-)$ FitsFig. 3: $\Lambda K^- (\bar{\Lambda} K^+)$ Fits