0.1 Model: Lambda-Kaon

Talk about Lednicky model

$$
\begin{aligned}
C(k^*) &= 1 + \lambda\,[\alpha \exp(-4k^{*2}R^2) + C_{FSI}(k^*)] \\
C_{FSI}(k^*) &= (1+\alpha)[\tfrac{1}{2}|\tfrac{f(k^*)}{R}|^2(1-\tfrac{d_0}{2\sqrt{\pi}R}) + \tfrac{2\mathbb{R}f(k^*)}{\sqrt{\pi}R}F_1(2k^*R) - \tfrac{\mathbb{I}f(k^*)}{R}F_2(2k^*R)] \\
f(k^*) &= (\tfrac{1}{f_0} + \tfrac{1}{2}d_0k^{*2} - ik^*)^{-1}
\end{aligned}
\tag{1}
$$

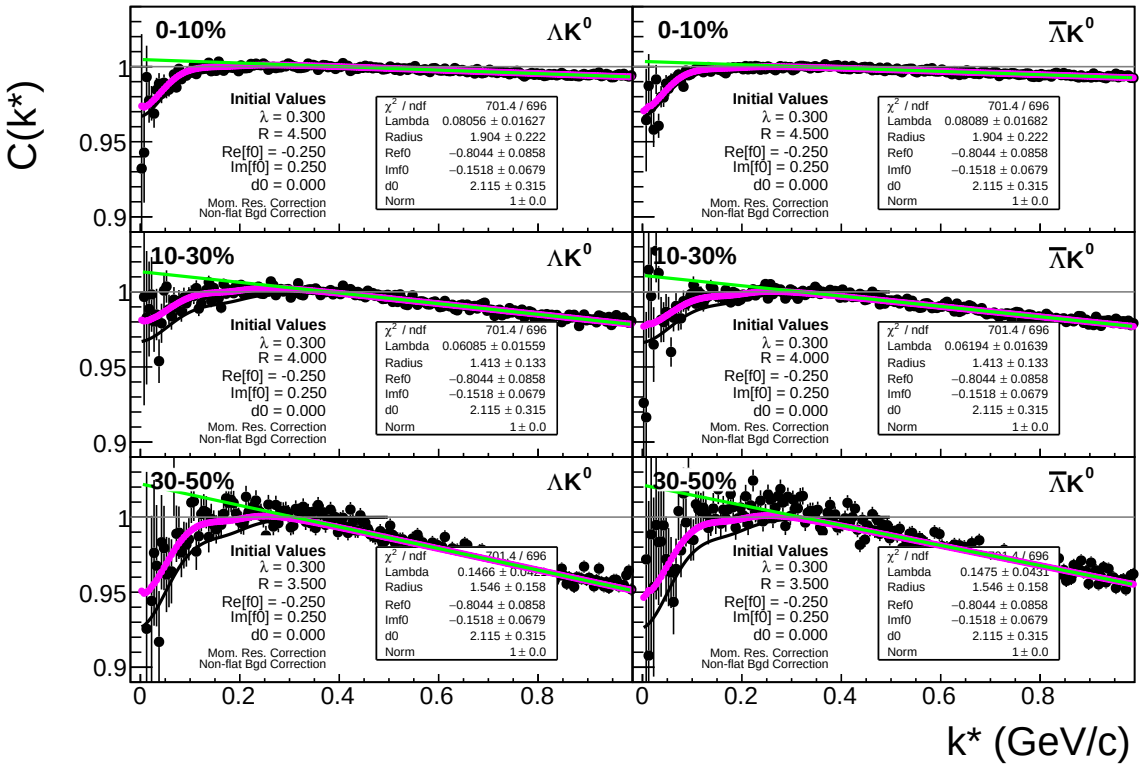

Fig. 1: $\Lambda K^0_S(\bar{\Lambda}K^0_S)$ Fits

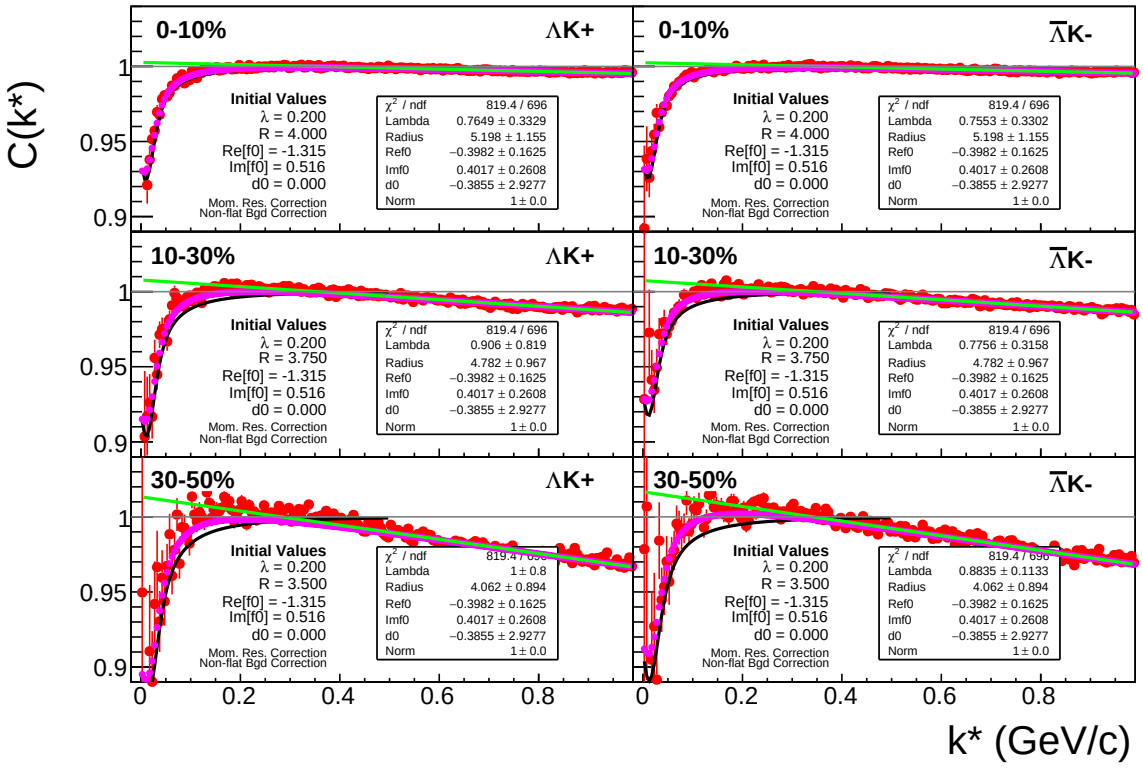

Fig. 2: $\Lambda K^{+}(\bar{\Lambda}K^{-})$ Fits

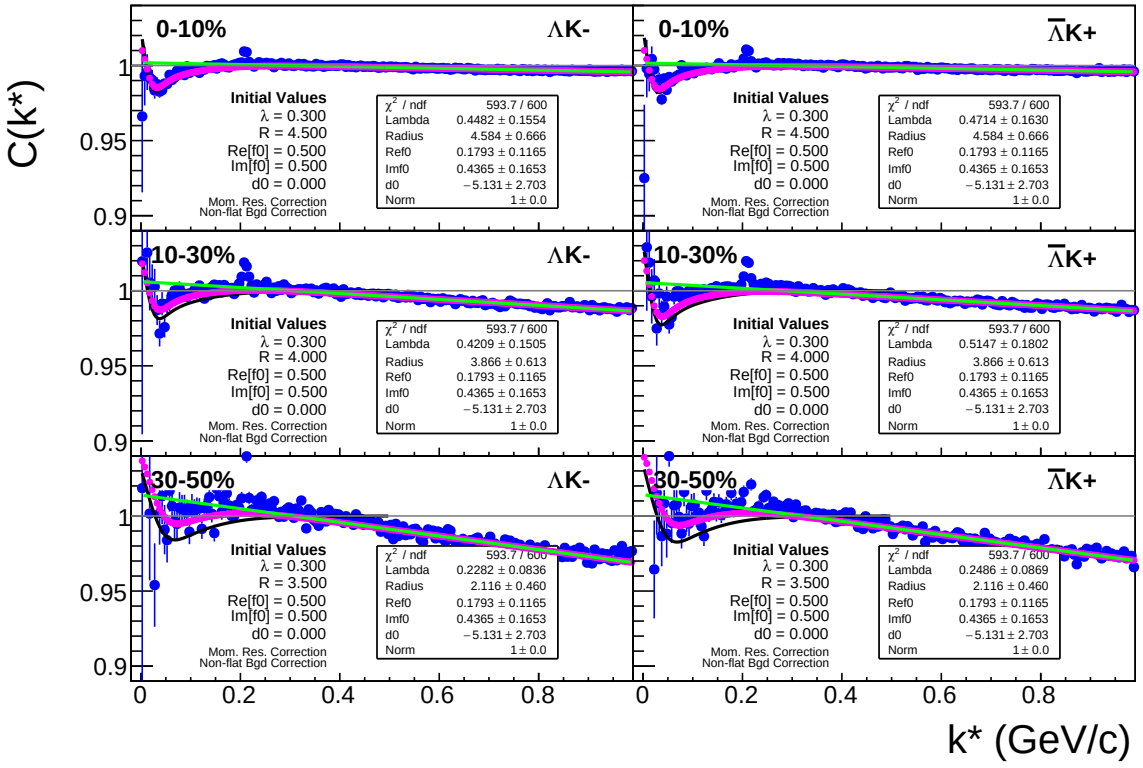

Fig. 3: $\Lambda K^{-}(\bar{\Lambda}K^{+})$ Fits