ΛK^+ residuals		$\bar{\Lambda}K^-$ residuals		ΛK^- residuals		$\bar{\Lambda}K^+$ residuals		ΛK^0_S residuals		$\bar{\Lambda}K^0_S$ residuals	
Pair System	**λ value**	**Pair System**	**λ value**	**Pair System**	**λ value**	**Pair System**	**λ value**	**Pair System**	**λ value**	**Pair System**	**λ value**
3 Residuals											
ΛK^+	0.154	$\bar{\Lambda}K^-$	0.158	ΛK^-	0.154	$\bar{\Lambda}K^+$	0.158	ΛK^0_S	0.165	$\bar{\Lambda}K^0_S$	0.169
$\Sigma^0 K^+$	0.099	$\bar{\Sigma}^0 K^-$	0.102	$\Sigma^0 K^-$	0.099	$\bar{\Sigma}^0 K^+$	0.103	$\Sigma^0 K^0_S$	0.107	$\bar{\Sigma}^0 K^0_S$	0.111
$\Xi^0 K^+$	0.072	$\bar{\Xi}^0 K^-$	0.067	$\Xi^0 K^-$	0.071	$\bar{\Xi}^0 K^+$	0.068	$\Xi^0 K^0_S$	0.077	$\bar{\Xi}^0 K^0_S$	0.073
$\Xi^- K^+$	0.069	$\bar{\Xi}^+ K^-$	0.065	$\Xi^- K^-$	0.068	$\bar{\Xi}^+ K^+$	0.066	$\Xi^- K^0_S$	0.075	$\bar{\Xi}^+ K^0_S$	0.071
Other	0.558	Other	0.560	Other	0.561	Other	0.557	Other	0.528	Other	0.528
Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048
10 Residuals											
ΛK^+	0.154	$\bar{\Lambda}K^-$	0.158	ΛK^-	0.154	$\bar{\Lambda}K^+$	0.158	ΛK^0_S	0.165	$\bar{\Lambda}K^0_S$	0.169
$\Sigma^0 K^+$	0.099	$\bar{\Sigma}^0 K^-$	0.102	$\Sigma^0 K^-$	0.099	$\bar{\Sigma}^0 K^+$	0.103	$\Sigma^0 K^0_S$	0.107	$\bar{\Sigma}^0 K^0_S$	0.111
$\Xi^0 K^+$	0.072	$\bar{\Xi}^0 K^-$	0.067	$\Xi^0 K^-$	0.071	$\bar{\Xi}^0 K^+$	0.068	$\Xi^0 K^0_S$	0.077	$\bar{\Xi}^0 K^0_S$	0.073
$\Xi^- K^+$	0.069	$\bar{\Xi}^+ K^-$	0.065	$\Xi^- K^-$	0.068	$\bar{\Xi}^+ K^+$	0.066	$\Xi^- K^0_S$	0.075	$\bar{\Xi}^+ K^0_S$	0.071
$\Sigma^{*+} K^+$	0.046	$\bar{\Sigma}^{*-} K^-$	0.046	$\Sigma^{*+} K^-$	0.046	$\bar{\Sigma}^{*-} K^+$	0.046	$\Sigma^{*+} K^0_S$	0.050	$\bar{\Sigma}^{*-} K^0_S$	0.050
$\Sigma^{*-} K^+$	0.042	$\bar{\Sigma}^{*+} K^-$	0.045	$\Sigma^{*-} K^-$	0.041	$\bar{\Sigma}^{*+} K^+$	0.045	$\Sigma^{*-} K^0_S$	0.045	$\bar{\Sigma}^{*+} K^0_S$	0.049
$\Sigma^{*0} K^+$	0.042	$\bar{\Sigma}^{*0} K^-$	0.040	$\Sigma^{*0} K^-$	0.041	$\bar{\Sigma}^{*0} K^+$	0.041	$\Sigma^{*0} K^0_S$	0.045	$\bar{\Sigma}^{*0} K^0_S$	0.044
ΛK^{*0}	0.039	$\bar{\Lambda}\bar{K}^{*0}$	0.041	$\Lambda \bar{K}^{*0}$	0.039	$\bar{\Lambda}K^{*0}$	0.041	ΛK^{*0}	0.019	$\bar{\Lambda}K^{*0}$	0.020
$\Sigma^0 K^{*0}$	0.035	$\bar{\Sigma}^0 \bar{K}^{*0}$	0.036	$\Sigma^0 \bar{K}^{*0}$	0.035	$\bar{\Sigma}^0 K^{*0}$	0.036	$\Sigma^0 K^{*0}$	0.017	$\bar{\Sigma}^0 K^{*0}$	0.017
$\Xi^0 K^{*0}$	0.025	$\bar{\Xi}^0 \bar{K}^{*0}$	0.024	$\Xi^0 \bar{K}^{*0}$	0.025	$\bar{\Xi}^0 K^{*0}$	0.024	$\Xi^0 K^{*0}$	0.012	$\bar{\Xi}^0 K^{*0}$	0.011
$\Xi^- K^{*0}$	0.024	$\bar{\Xi}^+ \bar{K}^{*0}$	0.023	$\Xi^- \bar{K}^{*0}$	0.024	$\bar{\Xi}^+ K^{*0}$	0.023	$\Xi^- K^{*0}$	0.012	$\bar{\Xi}^+ K^{*0}$	0.011
Other	0.305	Other	0.305	Other	0.308	Other	0.301	Other	0.329	Other	0.326
Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048

Table 1: λ values for the individual components of the ΛK correlation functions for the case of 3 and 10 residual contributions.

ΛK^+ residuals		$\bar{\Lambda}K^-$ residuals		ΛK^- residuals		$\bar{\Lambda}K^+$ residuals		ΛK^0_S residuals		$\bar{\Lambda}K^0_S$ residuals	
Pair System	**λ value**	**Pair System**	**λ value**	**Pair System**	**λ value**	**Pair System**	**λ value**	**Pair System**	**λ value**	**Pair System**	**λ value**
3 Residuals											
ΛK^+	0.488	$\bar{\Lambda}K^-$	0.488	ΛK^-	0.487	$\bar{\Lambda}K^+$	0.489	ΛK^0_S	0.505	$\bar{\Lambda}K^0_S$	0.507
$\Sigma^0 K^+$	0.103	$\bar{\Sigma}^0 K^-$	0.102	$\Sigma^0 K^-$	0.102	$\bar{\Sigma}^0 K^+$	0.102	$\Sigma^0 K^0_S$	0.112	$\bar{\Sigma}^0 K^0_S$	0.111
$\Xi^0 K^+$	0.046	$\bar{\Xi}^0 K^-$	0.040	$\Xi^0 K^-$	0.046	$\bar{\Xi}^0 K^+$	0.041	$\Xi^0 K^0_S$	0.050	$\bar{\Xi}^0 K^0_S$	0.044
$\Xi^- K^+$	0.063	$\bar{\Xi}^+ K^-$	0.056	$\Xi^- K^-$	0.062	$\bar{\Xi}^+ K^+$	0.057	$\Xi^- K^0_S$	0.068	$\bar{\Xi}^+ K^0_S$	0.062
Other	0.252	Other	0.261	Other	0.255	Other	0.259	Other	0.217	Other	0.222
Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048
10 Residuals											
ΛK^+	0.317	$\bar{\Lambda}K^-$	0.319	ΛK^-	0.317	$\bar{\Lambda}K^+$	0.318	ΛK^0_S	0.342	$\bar{\Lambda}K^0_S$	0.344
$\Sigma^0 K^+$	0.105	$\bar{\Sigma}^0 K^-$	0.105	$\Sigma^0 K^-$	0.104	$\bar{\Sigma}^0 K^+$	0.106	$\Sigma^0 K^0_S$	0.113	$\bar{\Sigma}^0 K^0_S$	0.114
$\Xi^0 K^+$	0.047	$\bar{\Xi}^0 K^-$	0.042	$\Xi^0 K^-$	0.047	$\bar{\Xi}^0 K^+$	0.042	$\Xi^0 K^0_S$	0.051	$\bar{\Xi}^0 K^0_S$	0.045
$\Xi^- K^+$	0.064	$\bar{\Xi}^+ K^-$	0.058	$\Xi^- K^-$	0.063	$\bar{\Xi}^+ K^+$	0.059	$\Xi^- K^0_S$	0.069	$\bar{\Xi}^+ K^0_S$	0.063
$\Sigma^{*+} K^+$	0.049	$\bar{\Sigma}^{*-} K^-$	0.047	$\Sigma^{*+} K^-$	0.048	$\bar{\Sigma}^{*-} K^+$	0.048	$\Sigma^{*+} K^0_S$	0.052	$\bar{\Sigma}^{*-} K^0_S$	0.051
$\Sigma^{*-} K^+$	0.044	$\bar{\Sigma}^{*+} K^-$	0.046	$\Sigma^{*-} K^-$	0.044	$\bar{\Sigma}^{*+} K^+$	0.047	$\Sigma^{*-} K^0_S$	0.047	$\bar{\Sigma}^{*+} K^0_S$	0.050
$\Sigma^{*0} K^+$	0.044	$\bar{\Sigma}^{*0} K^-$	0.041	$\Sigma^{*0} K^-$	0.044	$\bar{\Sigma}^{*0} K^+$	0.042	$\Sigma^{*0} K^0_S$	0.047	$\bar{\Sigma}^{*0} K^0_S$	0.045
ΛK^{*0}	0.041	$\bar{\Lambda}\bar{K}^{*0}$	0.042	$\Lambda \bar{K}^{*0}$	0.041	$\bar{\Lambda} K^{*0}$	0.042	ΛK^{*0}	0.020	$\bar{\Lambda} K^{*0}$	0.020
$\Sigma^0 K^{*0}$	0.037	$\bar{\Sigma}^0 \bar{K}^{*0}$	0.037	$\Sigma^0 \bar{K}^{*0}$	0.037	$\bar{\Sigma}^0 K^{*0}$	0.037	$\Sigma^0 K^{*0}$	0.017	$\bar{\Sigma}^0 K^{*0}$	0.018
$\Xi^0 K^{*0}$	0.017	$\bar{\Xi}^0 \bar{K}^{*0}$	0.015	$\Xi^0 \bar{K}^{*0}$	0.017	$\bar{\Xi}^0 K^{*0}$	0.015	$\Xi^0 K^{*0}$	0.008	$\bar{\Xi}^0 K^{*0}$	0.007
$\Xi^- K^{*0}$	0.022	$\bar{\Xi}^+ \bar{K}^{*0}$	0.021	$\Xi^- \bar{K}^{*0}$	0.022	$\bar{\Xi}^+ K^{*0}$	0.021	$\Xi^- K^{*0}$	0.011	$\bar{\Xi}^+ K^{*0}$	0.010
Other	0.166	Other	0.174	Other	0.169	Other	0.171	Other	0.176	Other	0.181
Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048	Fakes	0.048

Table 2: λ values for the individual components of the ΛK correlation functions for the case of 3 and 10 residual contributions.

ΛK^+ Residuals

	Decay Length					
Pair System	**0 fm**	**4 fm**	**5 fm**	**6 fm**	**10 fm**	**100 fm**
3 Residuals						
ΛK^+	0.111	0.154	0.228	0.445	0.470	0.508
$\Sigma^0 K^+$	0.099					
$\Xi^0 K^+$	0.072					
$\Xi^- K^+$	0.069					
Other	0.601	0.558	0.484	0.267	0.242	0.204
Fakes	0.048					
10 Residuals						
ΛK^+	0.111	0.154	0.188	0.277	0.301	0.340
$\Sigma^0 K^+$	0.099					
$\Xi^0 K^+$	0.072					
$\Xi^- K^+$	0.069					
$\Sigma^{*+} K^+$	0.046					
$\Sigma^{*-} K^+$	0.042					
$\Sigma^{*0} K^+$	0.042					
ΛK^{*0}	0.039					
$\Sigma^0 K^{*0}$	0.035					
$\Xi^0 K^{*0}$	0.025					
$\Xi^- K^{*0}$	0.024					
Other	0.348	0.305	0.271	0.182	0.158	0.119
Fakes	0.048					

Table 3: λ values for the individual components of the ΛK^+ correlation functions, assuming various maximum values of $c\tau$ for parents systems to be considered primary, for the case of 3 and 10 residual contributions.