DCA $\Lambda(\bar{\Lambda})$

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		4 vs 5 mm			5 vs 6 mm		
ΛK^+	0-10%	6.666 e-03	20.858 e-03	No	1.019 e-02	6.227 e-02	No
	10-30%	6.310 e-03	29.855 e-03	No	2.460 e-02	4.712 e-02	No
	30-50%	5.296 e-02	6.016 e-02	No	7.354 e-04	4.393 e-04	No
$\bar{\Lambda}K^-$	0-10%	1.678 e-04	0.822 e-04	Yes	2.776 e-04	1.373 e-04	Yes
	10-30%	7.670 e-04	2.620 e-04	Yes	4.637 e-03	38.028 e-03	No
	30-50%	2.464 e-02	16.944 e-02	No	5.859 e-04	58.496 e-04	No
ΛK^-	0-10%	3.957 e-04	9.414 e-04	No	1.755 e-04	1.311 e-04	No
	10-30%	8.918 e-04	4.324 e-04	Yes	3.992 e-04	2.014 e-04	No
	30-50%	1.631 e-03	1.318 e-03	No	8.526 e-04	7.790 e-04	No
$\bar{\Lambda}K^+$	0-10%	1.581 e-04	2.243 e-04	No	1.169 e-02	11.672 e-02	No
	10-30%	5.592 e-04	2.294 e-02	Yes	1.115 e-03	1.203 e-03	No
	30-50%	3.128 e-03	2.911 e-03	No	5.595 e-05	80.720 e-05	No

Table 1: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA $\Lambda(\bar{\Lambda})$

DCA $\Lambda(\bar{\Lambda})$ SimpleExp

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		4 vs 5 mm			5 vs 6 mm		
ΛK^+	0-10%	1.859 e-04	1.047 e-04	No	7.312 e-05	0.911 e-05	Yes
	10-30%	8.104 e-05	2.477 e-05	Yes	8.514 e-05	1.935 e-05	Yes
	30-50%	5.386 e-02	6.149 e-02	No	6.569 e-04	6.850 e-04	No
$\bar{\Lambda}K^-$	0-10%	1.679 e-04	0.978 e-04	No	7.168 e-05	0.964 e-05	Yes
	10-30%	9.280 e-04	4.156 e-04	Yes	2.773 e-05	2.045 e-05	No
	30-50%	2.969 e-04	0.615 e-04	Yes	7.119 e-05	4.811 e-05	No
ΛK^-	0-10%	4.973 e-05	1.210 e-05	Yes	3.881 e-05	0.941 e-05	Yes
	10-30%	1.648 e-04	0.256 e-04	Yes	4.941 e-40	2.904 e-04	No
	30-50%	5.229 e-04	3.738 e-04	No	8.450 e-04	11.134 e-04	No
$\bar{\Lambda}K^+$	0-10%	1.792 e-04	2.976 e-04	No	3.290 e-05	3.245 e-05	No
	10-30%	4.729 e-04	4.270 e-04	No	7.453 e-04	7.346 e-04	No
	30-50%	8.736 e-04	4.348 e-04	Yes	2.936 e-04	0.474 e-04	Yes

Table 2: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA $\Lambda(\bar{\Lambda})$

0.1 Systematic Errors: $\Lambda K^{\pm}$

Talk about stuff

DCA $\Lambda(\bar{\Lambda})$

Pair Type	Centrality	Fit Results			
		A	B	C	Sig
4 vs 5 mm					
ΛK^+	0-10%	6.666 ± 20.858 e-03	3.116 ± 10.105 e-02	6.538 ± 20.853 e-03	No
	10-30%	6.310 ± 29.855 e-03	4.761 ± 23.621 e-02	6.209 ± 29.862 e-03	No
	30-50%	5.296 ± 6.016 e-02	9.171 ± 6.575 e+01	2.076 ± 5.810 e-05	No
$\bar{\Lambda}K^-$	0-10%	1.678 ± 0.822 e-04	2.419 ± 2.856 e+00	1.563 ± 6.051 e-05	Yes
	10-30%	7.670 ± 2.620 e-04	3.339 ± 2.060 e+00	1.213 ± 0.966 e-04	Yes
	30-50%	2.464 ± 16.944 e-02	1.184 ± 8.633 e-02	2.476 ± 16.943 e-02	No
ΛK^-	0-10%	3.957 ± 9.414 e-04	7.815 ± 31.891 e-01	2.986 ± 10.444 e-04	No
	10-30%	8.918 ± 4.324 e-04	5.872 ± 2.599 e+00	2.242 ± 0.417 e-04	Yes
	30-50%	1.631 ± 1.318 e-03	8.578 ± 4.413 e+00	-1.896 ± 0.704 e-04	No
$\bar{\Lambda}K^+$	0-10%	1.581 ± 2.243 e-04	6.729 ± 7.787 e+00	1.107 ± 1.703 e-05	No
	10-30%	5.592 ± 2.294 e-04	3.409 ± 2.143 e+00	1.516 ± 0.743 e-04	Yes
	30-50%	3.128 ± 2.911 e-03	1.191 ± 0.801 e+01	-1.989 ± 0.713 e-04	No
5 vs 6 mm					
ΛK^+	0-10%	1.019 ± 6.227 e-02	-4.921 ± 30.895 e-03	1.023 ± 6.227 e-02	No
	10-30%	2.460 ± 4.712 e-02	1.339 ± 2.665 e-02	2.448 ± 4.711 e-02	No
	30-50%	7.354 ± 4.393 e-04	3.853 ± 2.812 e+00	1.418 ± 1.032 e-04	No
$\bar{\Lambda}K^-$	0-10%	2.776 ± 1.373 e-04	3.871 ± 3.110 e-01	2.911 ± 1.388 e-04	No
	10-30%	4.637 ± 38.028 e-03	1.810 ± 15.686 e-02	4.613 ± 38.028 e-03	No
	30-50%	5.859 ± 58.496 e-04	5.232 ± 73.023 e-01	5.003 ± 61.000 e-04	No
ΛK^-	0-10%	1.755 ± 1.311 e-04	2.245 ± 3.323 e-01	1.918 ± 1.313 e-04	No
	10-30%	3.992 ± 2.014 e-04	2.989 ± 3.516 e+00	5.011 ± 10.424 e-05	No
	30-50%	8.526 ± 7.790 e-04	7.271 ± 5.421 e+00	7.159 ± 6.115 e-05	No
$\bar{\Lambda}K^+$	0-10%	1.169 ± 11.672 e-02	2.815 ± 29.038 e-03	1.165 ± 11.671 e-02	No
	10-30%	1.115 ± 1.203 e-03	1.518 ± 1.068 e+01	-3.386 ± 2.147 e-05	No
	30-50%	5.595 ± 80.721 e-05	9.551 ± 53.166 e+00	-2.924 ± 0.506 e-04	No

Table 3: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA $\Lambda(\bar{\Lambda})$

DCA $\Lambda(\bar{\Lambda})$ Daughters

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		3 vs 4 mm			4 vs 5 mm		
ΛK^+	0-10%	1.077 e-02	0.933 e-02	No	2.477 e-03	1.215 e-03	Yes
	10-30%	4.819 e-02	39.667 e-02	No	3.668 e-04	20.752 e-04	No
	30-50%	1.002 e-03	1.848 e-03	No	2.652 e-02	22.007 e-02	No
$\bar{\Lambda}K^-$	0-10%	3.447 e-05	11.236 e-05	No	3.323 e-03	17.138 e-03	No
	10-30%	3.139 e-02	15.270 e-02	No	1.053 e-03	1.199 e-02	No
	30-50%	8.406 e-04	13.369 e-04	No	2.359 e-03	2.918 e-03	No
ΛK^-	0-10%	2.908 e-03	13.797 e-03	No	5.250 e-04	6.241 e-04	No
	10-30%	2.643 e-04	2.386 e-04	No	4.442 e-04	2.721 e-04	No
	30-50%	1.134 e-02	0.734 e-02	No	4.163 e-02	16.315 e-02	No
$\bar{\Lambda}K^+$	0-10%	5.184 e-05	18.302 e-05	No	4.305 e-05	8.438 e-05	No
	10-30%	6.008 e-02	21.671 e-02	No	3.188 e-02	2.276 e-02	No
	30-50%	4.338 e-04	6.151 e-04	No	1.003 e-02	10.768 e-02	No

Table 4: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA $\Lambda(\bar{\Lambda})$ Daughters

DCA $\Lambda(\bar{\Lambda})$ Daughters SimpleExp

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		3 vs 4 mm			4 vs 5 mm		
ΛK^+	0-10%	2.617 e-05	1.188 e-05	Yes	2.349 e-03	1.137 e-03	Yes
	10-30%	5.998 e-05	2.475 e-05	Yes	1.743 e-05	5.739 e-05	No
	30-50%	1.434 e-04	0.586 e-04	Yes	7.623 e-02	3.691 e-01	Yes
$\bar{\Lambda}K^-$	0-10%	7.637 e-05	1.267 e-05	Yes	4.164 e-04	5.566 e-04	No
	10-30%	6.623 e-04	9.620 e-04	No	8.930 e-05	6.244 e-05	No
	30-50%	8.433 e-04	12.475 e-04	No	2.463 e-04	1.298 e-04	No
ΛK^-	0-10%	1.475 e-04	1.052 e-04	No	5.810 e-04	6.690 e-04	No
	10-30%	7.090 e-05	2.563 e-05	Yes	6.331 e-05	6.231 e-05	No
	30-50%	3.588 e-04	2.293 e-04	No	1.727 e-04	0.480 e-04	Yes
$\bar{\Lambda}K^+$	0-10%	3.829 e-05	1.228 e-05	Yes	4.312 e-05	4.801 e-05	No
	10-30%	2.107 e-04	1.323 e-04	No	4.100 e-05	2.120 e-05	No
	30-50%	1.219 e-04	0.598 e-04	Yes	2.723 e-04	1.877 e-04	No

Table 5: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA $\Lambda(\bar{\Lambda})$ Daughters

DCA $\Lambda(\bar{\Lambda})$ Daughters

Pair Type	Centrality	Fit Results			
		A	B	C	Sig
3 vs 4 mm					
ΛK^+	0-10%	1.077 ± 0.933 e-02	7.176 ± 4.044 e+01	2.701 ± 1.190 e-05	No
	10-30%	4.819 ± 39.667 e-02	2.433 ± 22.013 e-03	-4.817 ± 39.667 e-02	No
	30-50%	1.002 ± 1.848 e-03	1.260 ± 1.135 e+01	1.320 ± 0.615 e-04	No
$\bar{\Lambda}K^-$	0-10%	3.447 ± 11.236 e-05	1.328 ± 9.006 e+00	-9.219 ± 11.842 e-05	No
	10-30%	3.139 ± 15.270 e-02	-5.269 ± 27.000 e-03	-3.127 ± 15.270 e-02	No
	30-50%	8.406 ± 13.369 e-04	8.945 ± 8.560 e+00	-1.415 ± 7.112 e-05	No
ΛK^-	0-10%	2.908 ± 13.797 e-03	3.936 ± 20.023 e-02	2.816 ± 13.803 e-03	No
	10-30%	2.643 ± 2.386 e-04	3.760 ± 3.962 e+00	1.083 ± 0.561 e-04	No
	30-50%	1.134 ± 0.734 e-02	2.873 ± 1.046 e+01	-2.318 ± 0.605 e-04	No
$\bar{\Lambda}K^+$	0-10%	5.184 ± 18.302 e-05	3.933 e-08 ± 1.732 e-01	1.355 ± 18.509 e-05	No
	10-30%	6.008 ± 21.671 e-02	4.413 ± 16.702 e-03	-5.986 ± 21.671 e-02	No
	30-50%	4.338 ± 6.151 e-04	4.071 ± 6.176 e+00	-1.767 ± 1.209 e-04	No
4 vs 5 mm					
ΛK^+	0-10%	2.477 ± 1.215 e-03	2.737 ± 0.732 e+01	-1.910 ± 0.960 e-05	Yes
	10-30%	3.668 ± 20.752 e-04	2.275 ± 7.806 e+01	1.190 ± 2.037 e-05	No
	30-50%	2.652 ± 22.007 e-02	6.015 ± 53.413 e-03	-2.647 ± 22.006 e-02	No
$\bar{\Lambda}K^-$	0-10%	3.323 ± 17.139 e-03	2.651 ± 14.193 e-02	3.260 ± 17.135 e-03	No
	10-30%	1.054 ± 1.199 e-03	1.877 ± 0.956 e+00	8.186 ± 2.169 e-05	No
	30-50%	2.359 ± 2.918 e-03	1.815 ± 1.162 e+01	-2.521 ± 0.507 e-04	No
ΛK^-	0-10%	5.250 ± 6.241 e-04	1.545 ± 1.165 e+01	6.657 ± 10.526 e-06	No
	10-30%	4.442 ± 2.721 e-04	3.281 ± 20.315 e-02	3.812 ± 2.721 e-04	No
	30-50%	4.163 ± 16.314 e-02	8.962 ± 37.247 e-03	-4.157 ± 16.315 e-02	No
$\bar{\Lambda}K^+$	0-10%	4.305 ± 8.483 e-05	3.404 ± 8.038 e+00	1.478 ± 2.320 e-05	No
	10-30%	3.188 ± 2.276 e-02	1.316 ± 0.594 e+02	-4.050 ± 2.050 e-05	No
	30-50%	1.003 ± 10.768 e-02	1.523 ± 17.365 e-02	-9.776 ± 107.697 e-03	No

Table 6: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA $\Lambda(\bar{\Lambda})$ Daughters

$\Lambda(\bar{\Lambda})$ Cosine of Pointing Angle

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		0.9992 vs 0.9993			0.9993 vs 0.9994		
ΛK^+	0-10%	8.394 e-05	10.174 e-05	No	6.421 e-04	5.369 e-04	No
	10-30%	3.348 e-02	2.067 e-02	No	7.091 e-04	9.065 e-04	No
	30-50%	6.816 e-03	38.867 e-03	No	4.748 e-04	7.771 e-04	No
$\bar{\Lambda}K^-$	0-10%	4.503 e-05	5.867 e-05	No	3.207 e-04	0.843 e-04	Yes
	10-30%	4.920 e-04	10.402 e-04	No	3.091 e-02	0.623 e-00	Yes
	30-50%	2.214 e-03	1.278 e-03	No	4.164 e-05	21.519 e-05	No
ΛK^-	0-10%	9.043 e-05	7.387 e-05	No	1.788 e-04	2.381 e-04	No
	10-30%	1.058 e-04	0.807 e-04	No	5.921 e-03	2.927 e-03	Yes
	30-50%	5.142 e-04	14.771 e-04	No	7.095 e-03	54.203 e-03	No
$\bar{\Lambda}K^+$	0-10%	5.468 e-05	27.046 e-05	No	9.797 e-05	7.333 e-05	No
	10-30%	1.028 e-03	12.697 e-03	No	1.389 e-02	7.163 e-02	No
	30-50%	3.528 e-02	11.990 e-02	No	3.424 e-02	18.616 e-02	No

Table 7: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: $\Lambda(\bar{\Lambda})$ Cosine of Pointing Angle

$\Lambda(\bar{\Lambda})$ Cosine of Pointing Angle SimpleExp

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		0.9992 vs 0.9993			0.9993 vs 0.9994		
ΛK^+	0-10%	2.922 e-05	0.509 e-05	Yes	6.171 e-04	4.981 e-04	No
	10-30%	3.356 e-02	2.061 e-02	No	7.164 e-05	15.654 e-05	No
	30-50%	4.609 e-03	5.399 e-03	No	1.521 e-04	0.269 e-04	Yes
$\bar{\Lambda}K^-$	0-10%	1.210 e-05	0.552 e-05	Yes	4.543 e-05	7.800 e-05	No
	10-30%	4.859 e-05	3.910 e-05	No	2.357 e-05	1.279 e-05	No
	30-50%	2.231 e-03	1.295 e-03	No	7.357 e-05	3.041 e-05	Yes
ΛK^-	0-10%	5.210 e-05	0.521 e-05	Yes	1.525 e-04	1.447 e-04	No
	10-30%	8.230 e-05	1.066 e-05	Yes	9.685 e-05	5.080 e-05	No
	30-50%	1.086 e-04	0.253 e-04	Yes	1.269 e-04	0.280 e-04	Yes
$\bar{\Lambda}K^+$	0-10%	4.122 e-05	3.995 e-05	No	3.550 e-05	0.600 e-05	Yes
	10-30%	1.043 e-04	0.542 e-04	No	4.208 e-05	1.228 e-05	Yes
	30-50%	5.300 e-05	2.548 e-05	Yes	1.027 e-04	0.287 e-04	Yes

Table 8: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: $\Lambda(\bar{\Lambda})$ Cosine of Pointing Angle

$\Lambda(\bar{\Lambda})$ Cosine of Pointing Angle

Pair Type	Centrality	Fit Results			
		A	B	C	Sig
0.9992 vs 0.9993					
ΛK^+	0-10%	8.394 ± 10.174 e-05	6.374 ± 6.317 e+00	-3.343 ± 0.744 e-05	No
	10-30%	3.348 ± 2.067 e-02	1.736 ± 0.802 e+01	-40745 ± 10.408 e-06	No
	30-50%	6.816 ± 38.867 e-03	1.491 ± 9.522 e-02	-6.767 ± 38.909 e-03	No
$\bar{\Lambda}K^-$	0-10%	4.503 ± 5.867 e-05	4.120 ± 6.105 e+00	-1.730 ± 1.139 e-05	No
	10-30%	4.920 ± 10.402 e-04	1.738 ± 2.243 e+01	3.934 ± 1.200 e-05	No
	30-50%	2.214 ± 1.278 e-03	1.402 ± 0.462 e+01	-6.567 ± 27.985 e-06	No
ΛK^-	0-10%	9.043 ± 7.387 e-05	5.176 ± 3.782 e+00	5.901 ± 0.853 e-05	No
	10-30%	1.058 ± 0.807 e-04	2.506 ± 4.654 e+00	1.078 ± 0.539 e-04	No
	30-50%	5.142 ± 14.771 e-04	6.107 ± 26.374 e-01	-4.620 ± 15.668 e-04	No
$\bar{\Lambda}K^+$	0-10%	5.468 ± 27.046 e-05	8.844 ± 83.461 e-01	2.340 ± 31.255 e-05	No
	10-30%	1.028 ± 12.697 e-03	6.929 ± 94.002 e-02	9.385 ± 127.075 e-04	No
	30-50%	3.528 ± 11.990 e-02	5.403 ± 18.179 e-03	3.521 ± 11.989 e-02	No
0.9993 vs 0.9994					
ΛK^+	0-10%	6.421 ± 5.369 e-04	2.127 ± 0.971 e+01	4.555 ± 5.836 e-06	No
	10-30%	7.091 ± 9.065 e-04	1.757 ± 1.295 e+01	1.562 ± 1.223 e-05	No
	30-50%	4.748 ± 7.771 e-04	8.750 ± 9.684 e+00	1.637 ± 0.326 e-05	No
$\bar{\Lambda}K^-$	0-10%	3.207 ± 0.843 e-04	1.275 ± 0.984 e-01	-2.963 ± 0.842 e-04	Yes
	10-30%	3.091 ± 0.623 e-02	-8.176 ± 1.383 e+01	-2.661 ± 1.275 e-05	Yes
	30-50%	4.164 ± 21.519 e-05	2.930 ± 11.890 e+00	-8.176 ± 6.177 e-05	No
ΛK^-	0-10%	1.788 ± 2.381 e-04	7.813 ± 8.736 e+00	2.035 ± 9.698 e-06	No
	10-30%	5.921 ± 2.927 e-03	4.303 ± 1.146 e+00	5.516 ± 1.211 e-05	Yes
	30-50%	7.095 ± 54.203 e-03	2.524 ± 20.040 e-02	7.109 ± 54.193 e-03	No
$\bar{\Lambda}K^+$	0-10%	9.797 ± 7.333 e-05	3.692 ± 3.754 e+00	-4.914 ± 1.702 e-05	No
	10-30%	1.389 ± 7.163 e-02	4.324 ± 22.008 e-03	1.389 ± 7.162 e-02	No
	30-50%	3.424 ± 18.616 e-02	5.374 ± 30.366 e-03	3.422 ± 18.615 e-02	No

Table 9: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: $\Lambda(\bar{\Lambda})$ Cosine of Pointing Angle

DCA to Primary Vertex of $p^+(\bar{p}^-)$ Daughter of $\Lambda(\bar{\Lambda})$

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		0.5 vs 1 mm			1 vs 2 mm		
ΛK^+	0-10%	0.000 e-00	0.000 e-00	No	2.562 e-02	22.557 e-02	No
	10-30%	8.206 e-08	612.046 e-08	No	8.864 e-03	6.253 e-03	No
	30-50%	0.000 e-00	0.000 e-00	No	2.358 e-03	2.022 e-03	No
$\bar{\Lambda}K^-$	0-10%	0.000 e-00	0.000 e-00	No	1.186 e-03	1.200 e-03	No
	10-30%	0.000 e-00	0.000 e-00	No	4.978 e-04	6.611 e-04	No
	30-50%	0.000 e-00	0.000 e-00	No	6.475 e-04	24.200 e-04	No
ΛK^-	0-10%	0.000 e-00	0.000 e-00	No	2.843 e-02	13.435 e-02	No
	10-30%	1.759 e-07	10.590 e-07	No	6.419 e-03	5.210 e-03	No
	30-50%	0.000 e-00	0.000 e-00	No	7.035 e-02	28.008 e-02	No
$\bar{\Lambda}K^+$	0-10%	0.000 e-00	0.000 e-00	No	4.477 e-04	3.459 e-04	No
	10-30%	0.000 e-00	0.000 e-00	No	1.255 e-03	0.928 e-03	No
	30-50%	0.000 e-00	0.000 e-00	No	8.232 e-04	6.959 e-04	No

Table 10: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA to Primary Vertex of $p^+(\bar{p}^-)$ Daughter of $\Lambda(\bar{\Lambda})$

DCA to Primary Vertex of $p^+(\bar{p}^-)$ Daughter of $\Lambda(\bar{\Lambda})$ SimpleExp

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		0.5 vs 1 mm			1 vs 2 mm		
ΛK^+	0-10%	0.000 e-00	0.000 e-00	No	9.608 e-05	6.160 e-05	No
	10-30%	4.124 e-08	12.733 e-08	No	1.295 e-04	1.506 e-04	No
	30-50%	0.000 e-00	0.000 e-00	No	2.389 e-03	1.970 e-03	No
$\bar{\Lambda}K^-$	0-10%	0.000 e-00	0.000 e-00	No	5.367 e-05	2.099 e-05	Yes
	10-30%	0.000 e-00	0.000 e-00	No	2.513 e-04	5.004 e-04	No
	30-50%	0.000 e-00	0.000 e-00	No	4.787 e-04	3.569 e-04	No
ΛK^-	0-10%	0.000 e-00	0.000 e-00	No	2.188 e-05	8.266 e-05	No
	10-30%	1.712 e-07	9.950 e-07	No	6.518 e-03	5.362 e-03	No
	30-50%	0.000 e-00	0.000 e-00	No	3.759 e-04	9.4144e-04	No
$\bar{\Lambda}K^+$	0-10%	0.000 e-00	0.000 e-00	No	4.498 e-04	3.527 e-04	No
	10-30%	0.000 e-00	0.000 e-00	No	1.046 e-03	0.793 e-03	No
	30-50%	0.000 e-00	0.000 e-00	No	8.169 e-04	7.310 e-04	No

Table 11: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA to Primary Vertex of $p^+(\bar{p}^-)$ Daughter of $\Lambda(\bar{\Lambda})$

DCA to Primary Vertex of $p^+(\bar{p}^-)$ Daughter of $\Lambda(\bar{\Lambda})$

Pair Type	Centrality	Fit Results			
		A	B	C	Sig
0.5 vs 1 mm					
ΛK^+	0-10%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
	10-30%	8.206 ± 612.046 e-08	3.673 ± 343.362 e-01	4.290 ± 623.696 e-08	No
	30-50%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
$\bar{\Lambda}K^-$	0-10%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
	10-30%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
	30-50%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
ΛK^-	0-10%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
	10-30%	1.759 ± 10.590 e-07	7.469 ± 34.135 e+00	1.023 ± 54.047 e-09	No
	30-50%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
$\bar{\Lambda}K^+$	0-10%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
	10-30%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
	30-50%	0.000 ± 0.000 e-00	0.000 ± 0.000 e+00	0.000 ± 0.000 e-00	No
1 vs 2 mm					
ΛK^+	0-10%	2.562 ± 22.557 e-02	2.318 ± 21.896 e-03	2.551 ± 22.557 e-02	No
	10-30%	8.865 ± 6.253 e-03	2.891 ± 1.136 e+01	8.574 ± 4.451 e-05	No
	30-50%	2.358 ± 2.022 e-03	6.901 ± 4.322 e+00	2.661 ± 14.400 e-05	No
$\bar{\Lambda}K^-$	0-10%	1.186 ± 1.200 e-03	1.695 ± 0.933 e+01	-4.735 ± 2.180 e-05	No
	10-30%	4.978 ± 6.611 e-04	4.878 ± 10.407 e-01	3.678 ± 6.766 e-04	No
	30-50%	6.475 ± 24.200 e-04	9.337 ± 18.796 e+00	4.398 ± 1.278 e-04	No
ΛK^-	0-10%	2.843 ± 13.435 e-02	3.502 ± 17.351 e-03	2.837 ± 13.436 e-02	No
	10-30%	6.419 ± 5.210 e-03	2.598 ± 1.201 e+01	-1.471 ± 4.620 e-05	No
	30-50%	7.035 ± 28.008 e-02	1.628 ± 6.527 e-02	6.980 ± 27.996 e-02	No
$\bar{\Lambda}K^+$	0-10%	4.477 ± 3.459 e-04	6.944 ± 3.823 e+00	5.092 ± 26.253 e-06	No
	10-30%	1.255 ± 0.928 e-03	7.696 ± 4.058 e+00	5.260 ± 5.659 e-05	No
	30-50%	8.232 ± 6.959 e-04	2.142 ± 5.796 e+00	4.035 ± 73.973 e-05	No

Table 12: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA to Primary Vertex of $p^+(\bar{p}^-)$ Daughter of $\Lambda(\bar{\Lambda})$

DCA to Primary Vertex of $\pi^-(\pi^+)$ Daughter of $\Lambda(\bar{\Lambda})$

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		2 vs 3 mm			3 vs 4 mm		
ΛK^+	0-10%	4.843 e-03	18.205 e-03	No	3.108 e-03	3.879 e-03	No
	10-30%	1.895 e-02	7.504 e-02	No	2.906 e-02	8.290 e-02	No
	30-50%	4.478 e-02	10.992 e-02	No	1.124 e-03	2.850 e-03	No
$\bar{\Lambda}K^-$	0-10%	5.539 e-03	24.491 e-03	No	1.614 e-04	2.137 e-04	No
	10-30%	1.357 e-04	1.308 e+02	No	3.438 e-04	1.172 e-04	Yes
	30-50%	6.511 e-03	5.171 e-03	No	5.130 e-04	4.026 e-04	No
ΛK^-	0-10%	3.514 e-05	5.587 e-05	No	1.187 e-04	0.845 e-04	No
	10-30%	8.213 e-07	793.398 e-07	No	7.553 e-03	37.211 e-03	No
	30-50%	4.040 e-02	23.899 e-02	No	4.779 e-04	4.900 e-04	No
$\bar{\Lambda}K^+$	0-10%	3.105 e-04	3.344 e-04	No	7.463 e-05	8.161 e-05	No
	10-30%	4.365 e-04	3.362 e-04	No	7.773 e-03	60.765 e-03	No
	30-50%	3.146 e-02	24.169 e-02	No	2.535 e-03	2.080 e-03	No

Table 13: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA to Primary Vertex of $\pi^-(\pi^+)$ Daughter of $\Lambda(\bar{\Lambda})$

DCA to Primary Vertex of $\pi^-(\pi^+)$ Daughter of $\Lambda(\bar{\Lambda}$ SimpleExp)

Pair Type	Centrality	Fit Amplitudes					
		Amplitude	Error	Sig	Amplitude	Error	Sig
		2 vs 3 mm			3 vs 4 mm		
ΛK^+	0-10%	1.404 e-05	0.557 e-05	Yes	2.773 e-03	4.076 e-03	No
	10-30%	5.158 e-05	4.849 e-05	No	4.003 e-05	1.537 e-05	Yes
	30-50%	1.948 e-04	0.281 e-04	Yes	1.293 e-04	0.381 e-04	Yes
$\bar{\Lambda}K^-$	0-10%	3.412 e-06	31.010 e-06	No	1.292 e-05	0.737 e-05	No
	10-30%	4.179 e-05	1.256 e-05	Yes	3.348 e-04	2.737 e-04	No
	30-50%	3.761 e-03	2.491 e-03	No	5.462 e-04	10.737 e-04	No
ΛK^-	0-10%	3.044 e-05	0.577 e-05	Yes	5.793 e-05	8.022 e-05	No
	10-30%	4.823 e-05	1.221 e-05	Yes	8.026 e-05	1.586 e-05	Yes
	30-50%	8.278 e-05	13.261 e-05	No	1.516 e-04	0.395 e-04	Yes
$\bar{\Lambda}K^+$	0-10%	1.995 e-05	1.807 e-05	No	1.645 e-05	0.714 e-05	Yes
	10-30%	4.629 e-04	3.597 e-04	No	7.971 e-05	1.562 e-05	Yes
	30-50%	2.733 e-04	0.291 e-04	Yes	2.922 e-04	3.621 e-04	No

Table 14: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA to Primary Vertex of $\pi^-(\pi^+)$ Daughter of $\Lambda(\bar{\Lambda})$

DCA to Primary Vertex of $\pi^-(\pi^+)$ Daughter of $\Lambda(\bar{\Lambda})$

Pair Type	Centrality	Fit Results			
		A	B	C	Sig
2 vs 3 mm					
ΛK^+	0-10%	4.843 ± 18.205 e-03	9.674 ± 37.544 e-03	4.827 ± 18.204 e-03	No
	10-30%	1.895 ± 7.504 e-02	3.934 ± 15.905 e-03	1.888 ± 7.504 e-02	No
	30-50%	4.478 ± 10.992 e-02	5.103 ± 13.475 e-03	4.489 ± 10.993 e-02	No
$\bar{\Lambda}K^-$	0-10%	5.539 ± 24.491 e-03	6.671 ± 29.772 e-03	5.519 ± 24.491 e-03	No
	10-30%	1.357 e-04 ± 1.308 e+02	3.926 ± 1.000 e+00	5.919 e-05 ± 1.308 e+02	No
	30-50%	6.511 ± 5.171 e-03	2.261 ± 1.193 e+01	6.577 ± 3.241 e-05	No
ΛK^-	0-10%	3.514 ± 5.587 e-05	3.579 ± 6.873 e+00	-3.574 ± 1.324 e-05	No
	10-30%	8.213 ± 793.398 e-07	2.404 ± 1.416 e+00	4.845 ± 2.400 e-05	No
	30-50%	4.040 ± 23.899 e-02	4.753 ± 29.107 e-03	4.027 ± 23.899 e-01	No
$\bar{\Lambda}K^+$	0-10%	3.105 ± 3.344 e-04	1.657 ± 0.992 e+01	1.301 ± 0.600 e-05	No
	10-30%	4.365 ± 3.362 e-04	8.850 ± 4.682 e+00	8.855 ± 14.767 e-06	No
	30-50%	3.145 ± 24.169 e-02	2.579 ± 18.410 e-03	3.168 ± 24.166 e-02	No
3 vs 4 mm					
ΛK^+	0-10%	3.108 ± 3.879 e-03	4.904 ± 3.713 e+01	-5.192 ± 7.072 e-06	No
	10-30%	2.906 ± 8.290 e-02	6.626 ± 20.603 e-03	2.898 ± 8.290 e-02	No
	30-50%	1.124 ± 2.850 e-03	6.277 ± 24.280 e-01	8.969 ± 30.414 e-04	No
$\bar{\Lambda}K^-$	0-10%	1.614 ± 2.137 e-04	9.632 ± 8.149 e+00	1.628 ± 0.851 e-05	No
	10-30%	3.438 ± 1.172 e-04	2.386 ± 2.471 e+00	1.169 ± 1.010 e-04	Yes
	30-50%	5.130 ± 4.026 e-04	3.260 ± 4.410 e+00	1.581 ± 1.413 e-04	No
ΛK^-	0-10%	1.187 ± 0.845 e-04	1.357 ± 2.598 e+00	6.238 ± 10.980 e-05	No
	10-30%	7.553 ± 37.211 e-03	1.250 ± 6.434 e-02	7.575 ± 37.209 e-03	No
	30-50%	4.779 ± 4.900 e-04	3.260 ± 6.554 e+00	2.349 ± 1.759 e-04	No
$\bar{\Lambda}K^+$	0-10%	7.463 ± 8.161 e-05	4.243 ± 5.191 e+00	2.495 ± 1.477 e-05	No
	10-30%	7.773 ± 60.765 e-03	1.174 ± 9.428 e-02	7.795 ± 60.755 e-03	No
	30-50%	2.535 ± 2.080 e-03	1.533 ± 0.716 e+01	-7.443 ± 4.136 e-05	No

Table 15: $\Lambda(\bar{\Lambda})K^{\pm}$ Analyses: DCA to Primary Vertex of $\pi^-(\pi^+)$ Daughter of $\Lambda(\bar{\Lambda})$

Average Separation of $\Lambda(\bar{\Lambda})$ Daughter With Same Charge as $K^{\pm}$

Pair Type	Daughter	Track	Centrality	Fit Amplitudes					
				Amplitude	Error	Sig	Amplitude	Error	Sig
				7 vs 8 mm			8 vs 9 mm		
ΛK^+	p(Λ)	K^+	0-10%	3.686 e-06	1.868 e-06	No	2.810 e-06	2.876 e-06	No
			10-30%	1.913 e-06	3.456 e-06	No	4.146 e-06	2.760 e-06	No
			30-50%	2.437 e-05	2.000 e-05	No	4.171 e-06	21.075 e-06	No
$\bar{\Lambda}K^-$	$\bar{p}^-(\bar{\Lambda})$	K^-	0-10%	7.353 e-07	20.912 e-07	No	3.354 e-05	0.674 e-05	Yes
			10-30%	2.786 e-05	0.757 e-05	Yes	8.456 e-07	68.740 e-05	No
			30-50%	3.246 e-03	0.258 e-03	Yes	2.117 e-05	2.576 e-05	No
ΛK^-	$\pi^-(\Lambda)$	K^-	0-10%	2.628 e-05	0.373 e-05	Yes	4.464 e-06	3.426 e-06	No
			10-30%	8.931 e-08	749.009 e-08	No	4.327 e-06	8.289 e-06	No
			30-50%	8.489 e-06	18.542 e-06	No	6.277 e-05	2.490 e-05	Yes
$\bar{\Lambda}K^+$	$\pi^+(\bar{\Lambda})$	K^+	0-10%	4.788 e-06	2.222 e-06	Yes	3.779 e-06	1.987 e-06	No
			10-30%	6.776 e-06	6.236 e-06	No	1.142 e-05	0.374 e-05	Yes
			30-50%	5.680 e-04	1.505 e-04	Yes	2.448 e-06	24.520 e-06	No

Table 16: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: Average Separation of $\Lambda(\bar{\Lambda})$ Daughter With Same Charge as $K^{\pm}$

Average Separation of $\Lambda(\bar{\Lambda})$ Daughter With Same Charge as $K^{\pm}$ SimpleExp

Pair Type	Daughter	Track	Centrality	Fit Amplitudes					
				Amplitude	Error	Sig	Amplitude	Error	Sig
				7 vs 8 mm			8 vs 9 mm		
ΛK^+	$p(\Lambda)$	K^+	0-10%	1.292 e-06	0.071 e-06	Yes	4.293 e-06	0.467 e-06	Yes
			10-30%	1.273 e-06	0.918 e-06	No	2.789 e-06	6.481 e-06	No
			30-50%	5.756 e-06	0.884 e-06	Yes	1.039 e-05	0.366 e-05	Yes
$\bar{\Lambda}K^-$	$\bar{p}^-(\bar{\Lambda})$	K^-	0-10%	2.174 e-06	0.382 e-06	Yes	7.280 e-07	0.192 e-07	Yes
			10-30%	4.654 e-06	0.264 e-06	Yes	4.714 e-06	0.790 e-06	Yes
			30-50%	3.859 e-03	0.282 e-03	Yes	1.617 e-05	0.460 e-05	Yes
ΛK^-	$\pi^-(\Lambda)$	K^-	0-10%	4.837 e-06	0.126 e-06	Yes	5.328 e-06	0.606 e-06	Yes
			10-30%	4.573 e-06	1.194 e-06	Yes	5.761 e-06	1.170 e-06	Yes
			30-50%	7.689 e-06	1.176 e-06	Yes	7.790 e-06	1.120 e-06	Yes
$\bar{\Lambda}K^+$	$\pi^+(\bar{\Lambda})$	K^+	0-10%	1.913 e-06	1.201 e+00	No	1.546 e-06	0.073 e-06	Yes
			10-30%	3.534 e-06	1.269 e-06	Yes	2.443 e-07	1.002 e+00	No
			30-50%	6.155 e-04	1.712 e-04	Yes	7.848 e-06	0.108 e-06	Yes

Table 17: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: Average Separation of $\Lambda(\bar{\Lambda})$ Daughter With Same Charge as $K^{\pm}$