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

Pair Type	Centrality	Fit Amplitudes					
		4 vs 5 mm			5 vs 6 mm		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	2.709 e-04	1.940 e-04	No	8.225 e-03	5.836 e-03	No
	10-30%	6.759 e-04	5.899 e-04	No	4.508 e-03	31.591 e-03	No
	30-50%	9.913 e-02	42.821 e-02	No	1.884 e-01	0.700 e-02	Yes
$\bar{\Lambda}K^0_S$	0-10%	2.846 e-04	4.418 e-04	No	8.108 e-05	10.711 e-05	No
	10-30%	3.324 e-04	14.472 e-04	No	1.329 e-02	4.550 e-02	No
	30-50%	2.783 e-03	2.179 e-03	No	1.510 e-02	3.137 e-02	No

Table 1: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA $\Lambda(\bar{\Lambda})$ caption

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

Pair Type	Centrality	Fit Results			
		4 vs 5 mm			
		A	B	C	Sig
ΛK^0_S	0-10%	2.709 $\pm$ 1.940 e-04	1.531 $\pm$ 4.020 e+00	-1.004 $\pm$ 3.031 e-04	No
	10-30%	6.759 $\pm$ 5.899 e-04	3.834 $\pm$ 4.817 e+00	1.195 $\pm$ 1.309 e-04	No
	30-50%	9.913 $\pm$ 42.821 e-02	9.782 $\pm$ 43.696 e-03	9.844 $\pm$ 42.816 e-02	No
$\bar{\Lambda}K^0_S$	0-10%	2.846 $\pm$ 4.418 e-04	8.631 $\pm$ 7.200 e+00	-6.912 $\pm$ 2.311 e-05	No
	10-30%	3.324 $\pm$ 14.472 e-04	9.543 $\pm$ 84.997 e-01	2.489 $\pm$ 17.182 e-04	No
	30-50%	2.783 $\pm$ 2.179 e-03	6.009 $\pm$ 4.843 e+00	4.436 $\pm$ 1.804 e-04	No
		5 vs 6 mm			
ΛK^0_S	0-10%	8.225 $\pm$ 5.836 e-03	4.683 $\pm$ 2.083 e+01	-7.929 $\pm$ 1.566 e-05	No
	10-30%	4.508 $\pm$ 31.591 e-03	3.350 $\pm$ 23.967 e-02	4.499 $\pm$ 31.591 e-03	No
	30-50%	1.884 $\pm$ 0.700 e-01	1.265 $\pm$ 0.289 e+02	-1.571 $\pm$ 0.751 e-04	Yes
$\bar{\Lambda}K^0_S$	0-10%	8.108 $\pm$ 10.711 e-05	2.062 $\pm$ 5.974 e+00	-8.981 $\pm$ 8.008 e-05	No
	10-30%	1.329 $\pm$ 4.550 e-02	3.045 $\pm$ 11.469 e-02	1.311 $\pm$ 4.551 e-02	No
	30-50%	1.510 $\pm$ 3.137 e-02	7.268 $\pm$ 16.222 e-02	1.436 $\pm$ 3.145 e-02	No

Table 2: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA $\Lambda(\bar{\Lambda})$ caption

0.1 Systematic Errors: ΛK^0_S

Talk about stuff

DCA K^0_S

Pair Type	Centrality	Fit Amplitudes					
		2 vs 3 mm			3 vs 4 mm		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda} K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 3: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA K^0_S caption

DCA K^0_S

Pair Type	Centrality	Fit Results			
		2 vs 3 mm			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda} K^0_S$	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
		3 vs 4 mm			
ΛK^0_S	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
$\bar{\Lambda} K^0_S$	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

Table 4: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA K^0_S caption

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

Pair Type	Centrality	Fit Amplitudes					
		3 vs 4 mm			4 vs 5 mm		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda} K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 5: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA $\Lambda(\bar{\Lambda})$ Daughters

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

Pair Type	Centrality	Fit Results			
		3 vs 4 mm			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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
		4 vs 5 mm			
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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

Table 6: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA $\Lambda(\bar{\Lambda})$ Daughters

DCA K^0_S Daughters

Pair Type	Centrality	Fit Amplitudes					
		2 vs 3 mm			3 vs 4 mm		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda}K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 7: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA K^0_S Daughters

DCA K^0_S Daughters

Pair Type	Centrality	Fit Results			
		2 vs 3 mm			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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
		3 vs 4 mm			
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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

Table 8: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA K^0_S Daughters

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

Pair Type	Centrality	Fit Amplitudes					
		0.9992 vs 0.9993			0.9993 vs 0.9994		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda}K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 9: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: $\Lambda(\bar{\Lambda})$ Cosine of Pointing Angle

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

Pair Type	Centrality	Fit Results			
		0.9992 vs 0.9993			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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
		0.9993 vs 0.9994			
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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

Table 10: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: $\Lambda(\bar{\Lambda})$ Cosine of Pointing Angle

K^0_S Cosine of Pointing Angle

Pair Type	Centrality	Fit Amplitudes					
		0.9992 vs 0.9993			0.9993 vs 0.9994		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda}K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 11: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: K^0_S Cosine of Pointing Angle

K^0_S Cosine of Pointing Angle

Pair Type	Centrality	Fit Results			
		0.9992 vs 0.9993			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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
		0.9993 vs 0.9994			
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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

Table 12: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: K^0_S Cosine of Pointing Angle

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

Pair Type	Centrality	Fit Amplitudes					
		0.5 vs 1 mm			1 vs 2 mm		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda}K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 13: $\Lambda(\bar{\Lambda})K^0_S$ 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			
		0.5 vs 1 mm			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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_S	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
$\bar{\Lambda}K^0_S$	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

Table 14: $\Lambda(\bar{\Lambda})K^0_S$ 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					
		2 vs 3 mm			3 vs 4 mm		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda}K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 15: $\Lambda(\bar{\Lambda})K^0_S$ 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			
		2 vs 3 mm			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda} K^0_S$	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
		3 vs 4 mm			
ΛK^0_S	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
$\bar{\Lambda} K^0_S$	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

Table 16: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA to Primary Vertex of $\pi^-(\pi^+)$ Daughter of $\Lambda(\bar{\Lambda})$

DCA to Primary Vertex of π^+ Daughter of K^0_S

Pair Type	Centrality	Fit Amplitudes					
		2 vs 3 mm			3 vs 4 mm		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda} K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 17: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA to Primary Vertex of π^+ Daughter of K^0_S

DCA to Primary Vertex of π^+ Daughter of K^0_S

Pair Type	Centrality	Fit Results			
		2 vs 3 mm			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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
		3 vs 4 mm			
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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

Table 18: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA to Primary Vertex of π^+ Daughter of K^0_S

DCA to Primary Vertex of π^- Daughter of K^0_S

Pair Type	Centrality	Fit Amplitudes					
		2 vs 3 mm			3 vs 4 mm		
		Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda}K^0_S$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
	30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 19: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA to Primary Vertex of π^- Daughter of K^0_S

DCA to Primary Vertex of π^- Daughter of K^0_S

Pair Type	Centrality	Fit Results			
		2 vs 3 mm			
		A	B	C	Sig
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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
		3 vs 4 mm			
ΛK^0_S	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
$\bar{\Lambda}K^0_S$	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

Table 20: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: DCA to Primary Vertex of π^- Daughter of K^0_S

Avgerage Separation of Like-Charge Daughters

Pair Type	Daughters		Centrality	Fit Amplitude					
				5.0 vs 6.0 cm			6.0 vs 7.0 cm		
				Amplitude	Error	Sig	Amplitude	Error	Sig
ΛK^0_S	p(Λ)	$\pi^+(K^0_S)$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
			10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
			30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
ΛK^0_S	$\pi^-(\Lambda)$	$\pi^-(K^0_S)$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
			10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
			30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda}K^0_S$	$\pi^+(\bar{\Lambda})$	$\pi^+(K^0_S)$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
			10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
			30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
$\bar{\Lambda}K^0_S$	$\bar{p}^-(\bar{\Lambda})$	$\pi^-(K^0_S)$	0-10%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
			10-30%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No
			30-50%	0.000 e-00	0.000 e-00	No	0.000 e-00	0.000 e-00	No

Table 21: $\Lambda(\bar{\Lambda})K^0_S$ Analyses: Avgerage Separation of Positive Daughters