



$$I(J^P) = \frac{1}{2}(\frac{1}{2}^+) \text{ Status: } ****$$

Neither J or P has actually been measured.

Ξ_c^0 MASS

The fit uses the Ξ_c^0 and Ξ_c^+ mass and mass-difference measurements.

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
2470.44 ± 0.28 OUR FIT				Error includes scale factor of 1.2.

2470.99^{+0.30}_{-0.50} OUR AVERAGE

2470.85 ± 0.24 ± 0.55	3.4k	AALTONEN	14B	CDF	$p\bar{p}$ at 1.96 TeV
2471.0 ± 0.3 ^{+0.2} _{-1.4}	8.6k	¹ LESIAK	05	BELL	e^+e^- , $\Upsilon(4S)$
2470.0 ± 2.8 ± 2.6	85	FRABETTI	98B	E687	γ Be, $\bar{E}_\gamma = 220$ GeV
2469 ± 2 ± 3	9	HENDERSON	92B	CLEO	$\Omega^- K^+$
2472.1 ± 2.7 ± 1.6	54	ALBRECHT	90F	ARG	e^+e^- at $\Upsilon(4S)$
2473.3 ± 1.9 ± 1.2	4	BARLAG	90	ACCM	$\pi^- (K^-)$ Cu 230 GeV
2472 ± 3 ± 4	19	ALAM	89	CLEO	e^+e^- 10.6 GeV

• • • We do not use the following data for averages, fits, limits, etc. • • •

2462.1 ± 3.1 ± 1.4	42	² FRABETTI	93C	E687	See FRABETTI 98B
2471 ± 3 ± 4	14	AVERY	89	CLEO	See ALAM 89

¹ The systematic error was (wrongly) given the other way round in LESIAK 05.

² The FRABETTI 93C mass is well below the other measurements.

$\Xi_c^0 - \Xi_c^+$ MASS DIFFERENCE

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
2.72 ± 0.23 OUR FIT				Error includes scale factor of 1.1.

2.91 ± 0.26 OUR AVERAGE

2.85 ± 0.30 ± 0.04	5.1/3.4k	AALTONEN	14B	CDF	$p\bar{p}$ at 1.96 TeV
2.9 ± 0.5		LESIAK	05	BELL	e^+e^- , $\Upsilon(4S)$
7.0 ± 4.5 ± 2.2		ALBRECHT	90F	ARG	e^+e^- at $\Upsilon(4S)$
6.8 ± 3.3 ± 0.5		BARLAG	90	ACCM	$\pi^- (K^-)$ Cu 230 GeV
5 ± 4 ± 1		ALAM	89	CLEO	$\Xi_c^0 \rightarrow \Xi^- \pi^+$, $\Xi_c^+ \rightarrow \Xi^- \pi^+ \pi^+$

Ξ_c^0 MEAN LIFE

VALUE (10^{-15} s)	EVTS	DOCUMENT ID	TECN	COMMENT
150.4 ± 2.8 OUR AVERAGE				Error includes scale factor of 1.4.

148.0 ± 2.3 ± 2.2		¹ AAIJ	22Y	LHCB	$pp \rightarrow \Xi_c^0 + X$, $\Xi_c^0 \rightarrow pK^- K^- \pi^+$
153.4 ± 2.4 ± 0.7	22k	^{2,3} AAIJ	19AG	LHCB	$\Xi_b^- \rightarrow \Xi_c^0 \mu^- \bar{\nu}_\mu + X$, $\Xi_c^0 \rightarrow pK^- K^- \pi^+$

118	$\begin{smallmatrix} +14 \\ -12 \end{smallmatrix} \pm 5$	110	LINK	02H FOCS	γ nucleus, ≈ 180 GeV
101	$\begin{smallmatrix} +25 \\ -17 \end{smallmatrix} \pm 5$	42	FRABETTI	93C E687	γ Be, $\bar{E}_\gamma = 220$ GeV
82	$\begin{smallmatrix} +59 \\ -30 \end{smallmatrix}$	4	BARLAG	90 ACCM	$\pi^- (K^-)$ Cu 230 GeV

¹ Measured in Ξ_c^0 produced promptly in pp collisions, using $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ as normalisation mode. AAIJ 22Y reports this lifetime value as $(148.0 \pm 2.3 \pm 2.2 \pm 0.2) \times 10^{-15}$ s where the last uncertainty is due to the uncertainty on the D^0 lifetime value from PDG 20 average, $\tau_{D^0} = (410.1 \pm 1.5)$ fs.

² AAIJ 19AG reports $[\Xi_c^0 \text{ MEAN LIFE}] / [D^\pm \text{ MEAN LIFE}] = 0.1485 \pm 0.0017 \pm 0.0016$ which we multiply by our best value $D^\pm \text{ MEAN LIFE} = (1.033 \pm 0.005) \times 10^{-12}$ s. Our first error is their experiment's error and our second error is the systematic error from using our best value.

³ Measured in Ξ_c^0 produced in semileptonic Ξ_b^- decays.

Ξ_c^0 DECAY MODES

Mode	Fraction (Γ_i/Γ)	Confidence level
Cabibbo-favored decays		
Γ_1 $pK^- K^- \pi^+$	$(4.9 \pm 1.0) \times 10^{-3}$	
Γ_2 $pK^- \bar{K}^*(892)^0, \bar{K}^{*0} \rightarrow K^- \pi^+$	$(2.0 \pm 0.6) \times 10^{-3}$	
Γ_3 $pK^- K^- \pi^+$ (no \bar{K}^{*0})	$(3.0 \pm 0.8) \times 10^{-3}$	
Γ_4 ΛK_S^0	$(3.2 \pm 0.6) \times 10^{-3}$	
Γ_5 $\Lambda K^- \pi^+$	$(1.45 \pm 0.28) \%$	
Γ_6 $\Lambda \bar{K}^*(892)^0$	$(2.6 \pm 0.6) \times 10^{-3}$	
Γ_7 $\Lambda \bar{K}^0 \pi^+ \pi^-$	seen	
Γ_8 $\Lambda K^- \pi^+ \pi^+ \pi^-$	seen	
Γ_9 $\Sigma^0 K_S^0$	$(5.4 \pm 1.4) \times 10^{-4}$	
Γ_{10} $\Sigma^+ K^-$	$(1.8 \pm 0.4) \times 10^{-3}$	
Γ_{11} $\Sigma^0 \bar{K}^*(892)^0$	$(9.9 \pm 1.9) \times 10^{-3}$	
Γ_{12} $\Sigma^+ K^*(892)^-$	$(4.9 \pm 1.3) \times 10^{-3}$	
Γ_{13} $\Xi^- \pi^+$	$(1.43 \pm 0.27) \%$	
Γ_{14} $\Xi^- \pi^+ \pi^+ \pi^-$	$(4.8 \pm 2.3) \%$	
Γ_{15} $\Xi^0 K^+ K^-$		
Γ_{16} $\Xi^0 \phi, \phi \rightarrow K^+ K^-$	$(5.2 \pm 1.2) \times 10^{-4}$	
Γ_{17} $\Xi^0 K^+ K^-$ nonresonant	$(5.6 \pm 1.2) \times 10^{-4}$	
Γ_{18} $\Omega^- K^+$	$(4.2 \pm 0.9) \times 10^{-3}$	
Γ_{19} $\Xi^- e^+ \nu_e$	$(1.05 \pm 0.20) \%$	
Γ_{20} $\Xi^- \mu^+ \nu_\mu$	$(1.01 \pm 0.21) \%$	
Γ_{21} $\Xi^0 \gamma$	$< 1.7 \times 10^{-4}$	90%
Cabibbo-suppressed decays		
Γ_{22} $\Lambda_c^+ \pi^-$	$(5.5 \pm 1.1) \times 10^{-3}$	
Γ_{23} $\Xi^- K^+$	$(3.9 \pm 1.1) \times 10^{-4}$	
Γ_{24} $\Lambda K^+ K^-$ (no ϕ)	$(4.1 \pm 1.3) \times 10^{-4}$	

$\Gamma_{25} \Lambda\phi$ $(4.9 \pm 1.3) \times 10^{-4}$ **FIT INFORMATION**

An overall fit to 7 branching ratios uses 8 measurements to determine 4 parameters. The overall fit has a $\chi^2 = 1.4$ for 4 degrees of freedom.

The following *off-diagonal* array elements are the correlation coefficients $\langle \delta x_i \delta x_j \rangle / (\delta x_i \delta x_j)$, in percent, from the fit to the branching fractions, $x_i \equiv \Gamma_i / \Gamma_{\text{total}}$.

x_5	64		
x_{13}	86	74	
x_{22}	64	55	75
	x_1	x_5	x_{13}

 Ξ_c^0 BRANCHING RATIOS

———— Cabibbo-favored ($S = -2$) decays ————

$\Gamma(\rho K^- K^- \pi^+) / \Gamma_{\text{total}}$ **Γ_1 / Γ**

VALUE (%)	EVTS	DOCUMENT ID	TECN	COMMENT
0.49 ± 0.10 OUR FIT				
$0.58 \pm 0.23 \pm 0.05$	17 ± 5	LI	19A	BELL $e^+ e^-$ at $\Upsilon(4S)$

$\Gamma(\rho K^- K^- \pi^+) / \Gamma(\Xi^- \pi^+)$ **Γ_1 / Γ_{13}**

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.339 ± 0.035 OUR FIT				
0.34 ± 0.04 OUR AVERAGE				
$0.33 \pm 0.03 \pm 0.03$	1908 ± 62	LESIAK	05	BELL $e^+ e^-$, $\Upsilon(4S)$
$0.35 \pm 0.06 \pm 0.03$	148 ± 18	DANKO	04	CLEO $e^+ e^-$

$\Gamma(\rho K^- \bar{K}^*(892)^0, \bar{K}^{*0} \rightarrow K^- \pi^+) / \Gamma(\Xi^- \pi^+)$ **Γ_2 / Γ_{13}**

VALUE	DOCUMENT ID	TECN	COMMENT
$0.14 \pm 0.03 \pm 0.01$	DANKO	04	CLEO $e^+ e^-$

$\Gamma(\rho K^- K^- \pi^+ (\text{no } \bar{K}^{*0})) / \Gamma(\Xi^- \pi^+)$ **Γ_3 / Γ_{13}**

VALUE	DOCUMENT ID	TECN	COMMENT
$0.21 \pm 0.04 \pm 0.02$	DANKO	04	CLEO $e^+ e^-$

$\Gamma(\Lambda K_S^0) / \Gamma(\Xi^- \pi^+)$ **Γ_4 / Γ_{13}**

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.225 ± 0.013 OUR AVERAGE				
$0.229 \pm 0.008 \pm 0.012$	5.6k	LI	21F	BELL $e^+ e^-$ at $\Upsilon(nS)$
$0.21 \pm 0.02 \pm 0.02$	465 ± 37	LESIAK	05	BELL $e^+ e^-$, $\Upsilon(4S)$

$\Gamma(\Lambda K^- \pi^+) / \Gamma_{\text{total}}$ **Γ_5 / Γ**

VALUE (%)	EVTS	DOCUMENT ID	TECN	COMMENT
1.45 ± 0.28 OUR FIT				
$1.17 \pm 0.37 \pm 0.09$	24 ± 6	LI	19A	BELL $e^+ e^-$ at $\Upsilon(4S)$

$\Gamma(\Lambda K^- \pi^+)/\Gamma(\Xi^- \pi^+)$					Γ_5/Γ_{13}
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
1.02±0.14 OUR FIT	Error includes scale factor of 1.1.				
1.07±0.12±0.07	2979 ± 211	LESLIAK	05	BELL	$e^+ e^-$, $\Upsilon(4S)$
$\Gamma(\Lambda \bar{K}^*(892)^0)/\Gamma(\Xi^- \pi^+)$					Γ_6/Γ_{13}
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.18±0.02±0.01	4k	JIA	21	BELL	$e^+ e^-$ at $\Upsilon(nS)$
$\Gamma(\Lambda \bar{K}^0 \pi^+ \pi^-)/\Gamma_{\text{total}}$					Γ_7/Γ
<u>VALUE</u>		<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
seen		FRABETTI	98B	E687	γ Be, $\bar{E}_\gamma = 220$ GeV
$\Gamma(\Lambda K^- \pi^+ \pi^+ \pi^-)/\Gamma_{\text{total}}$					Γ_8/Γ
<u>VALUE</u>		<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
seen		FRABETTI	98B	E687	γ Be, $\bar{E}_\gamma = 220$ GeV
$\Gamma(\Sigma^0 K_S^0)/\Gamma(\Xi^- \pi^+)$					Γ_9/Γ_{13}
<u>VALUE (units 10^{-2})</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
3.8±0.6±0.4	279	LI	21F	BELL	$e^+ e^-$ at $\Upsilon(nS)$
$\Gamma(\Sigma^+ K^-)/\Gamma(\Xi^- \pi^+)$					Γ_{10}/Γ_{13}
<u>VALUE (units 10^{-2})</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
12.3±0.7±1.0	889	LI	21F	BELL	$e^+ e^-$ at $\Upsilon(nS)$
$\Gamma(\Sigma^0 \bar{K}^*(892)^0)/\Gamma(\Xi^- \pi^+)$					Γ_{11}/Γ_{13}
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.69±0.03±0.03	6.3k	JIA	21	BELL	$e^+ e^-$ at $\Upsilon(nS)$
$\Gamma(\Sigma^+ K^*(892)^-)/\Gamma(\Xi^- \pi^+)$					Γ_{12}/Γ_{13}
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.34±0.06±0.02	373	JIA	21	BELL	$e^+ e^-$ at $\Upsilon(nS)$
$\Gamma(\Xi^- \pi^+)/\Gamma_{\text{total}}$					Γ_{13}/Γ
<u>VALUE (%)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
1.43±0.27 OUR FIT					
1.80±0.50±0.14	45 ± 7	LI	19A	BELL	$e^+ e^-$ at $\Upsilon(4S)$
$\Gamma(\Xi^- \pi^+)/\Gamma(\Xi^- \pi^+ \pi^+ \pi^-)$					Γ_{13}/Γ_{14}
<u>VALUE</u>		<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.30±0.12±0.05		ALBRECHT	90F	ARG	$e^+ e^-$ at $\Upsilon(4S)$
$\Gamma(\Omega^- K^+)/\Gamma(\Xi^- \pi^+)$					Γ_{18}/Γ_{13}
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.294±0.018±0.016	650	AUBERT,B	05M	BABR	$e^+ e^- \approx \Upsilon(4S)$
$\Gamma(\Xi^0 \phi, \phi \rightarrow K^+ K^-)/\Gamma(\Xi^- \pi^+)$					Γ_{16}/Γ_{13}
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.036±0.004±0.002	311	¹ MCNEIL	21	BELL	$e^+ e^-$ at $\Upsilon(nS)$

¹MCNEIL 21 assumes an azimuthally symmetric amplitude model to recover resonant and nonresonant contributions to $\Xi_c^0 \rightarrow \Xi^0 K^+ K^-$.

$\Gamma(\Xi_c^0 K^+ K^- \text{ nonresonant})/\Gamma(\Xi^- \pi^+)$ Γ_{17}/Γ_{13}

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.039±0.004±0.002	311	¹ MCNEIL	21	BELL $e^+ e^-$ at $\Upsilon(nS)$

¹MCNEIL 21 assumes an azimuthally symmetric amplitude model to recover resonant and nonresonant contributions to $\Xi_c^0 \rightarrow \Xi^0 K^+ K^-$.

$\Gamma(\Xi^- e^+ \nu_e)/\Gamma(\Xi^- \pi^+)$ Γ_{19}/Γ_{13}

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.730±0.021±0.039		¹ LI	21C	BELL $e^+ e^-$ at 10.52, 10.58 GeV

• • • We do not use the following data for averages, fits, limits, etc. • • •

1.38 ±0.14 ±0.22 ACHARYA 21A ALCE pp at 13 TeV

3.1 ±1.0 $\begin{smallmatrix} +0.3 \\ -0.5 \end{smallmatrix}$ 54 ALEXANDER 95B CLE2 $e^+ e^- \approx \Upsilon(4S)$

0.96 ±0.43 ±0.18 18 ² ALBRECHT 93B ARG $e^+ e^- \approx 10.4$ GeV

¹ LI 21C measures ratio $B(\Xi_c^0 \rightarrow \Xi^- e^+ \nu_e) / B(\Xi_c^0 \rightarrow \Xi^- \mu^+ \nu_\mu) = 1.03 \pm 0.05 \pm 0.07$.

² This ALBRECHT 93B value is the average of the $(\Xi^- e^+ \text{ anything})/\Xi^- \pi^+$ and $(\Xi^- \mu^+ \text{ anything})/\Xi^- \pi^+$ ratios. Here we average it with the $\Xi^- e^+ \nu_e/\Xi^- \pi^+$ ratio.

$\Gamma(\Xi^- e^+ \nu_e)/\Gamma(\Xi^- \mu^+ \nu_\mu)$ Γ_{19}/Γ_{20}

VALUE	DOCUMENT ID	TECN	COMMENT
1.03±0.05±0.07	¹ LI	21C	BELL $e^+ e^-$ at 10.52, 10.58 GeV

• • • We do not use the following data for averages, fits, limits, etc. • • •

1.03±0.05±0.07 ¹ LI 21C BELL $e^+ e^-$ at 10.52, 10.58 GeV

¹ LI 21C value is not independent from other quoted measurements.

$\Gamma(\Xi^- \mu^+ \nu_\mu)/\Gamma(\Xi^- \pi^+)$ Γ_{20}/Γ_{13}

VALUE	DOCUMENT ID	TECN	COMMENT
0.708±0.033±0.056	¹ LI	21C	BELL $e^+ e^-$ at 10.52, 10.58 GeV

¹ LI 21C measures ratio $B(\Xi_c^0 \rightarrow \Xi^- e^+ \nu_e) / B(\Xi_c^0 \rightarrow \Xi^- \mu^+ \nu_\mu) = 1.03 \pm 0.05 \pm 0.07$.

$\Gamma(\Xi_c^0 \gamma)/\Gamma(\Xi^- \pi^+)$ Γ_{21}/Γ_{13}

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<1.2 × 10⁻²	90	LI	23	BELL $e^+ e^- \rightarrow \Upsilon(nS)$

———— Cabibbo-suppressed decays ————

$\Gamma(\Lambda_c^+ \pi^-)/\Gamma_{\text{total}}$ Γ_{22}/Γ

VALUE (units 10 ⁻³)	EVTS	DOCUMENT ID	TECN	COMMENT
5.5±1.1 OUR FIT				
5.5±0.2±1.8	6.3k	¹ AAIJ	20AH	LHCB pp at 13 TeV

¹ AAIJ 20AH extracts $B(\Xi_c^0 \rightarrow \Lambda_c^+ \pi^-)$ using two different normalization modes: $\Lambda_c^+ \rightarrow pK^- \pi^+$ and $\Xi_c^+ \rightarrow pK^- \pi^+$. The mean value of both results, taking their correlations into account, is presented as the final result. The measurement assumes production fraction ratios $f_{\Xi_c^0}/f_{\Lambda_c^+} = (9.7 \pm 0.9 \pm 3.1) \times 10^{-2}$ (from AAIJ 19AB plus heavy

quark symmetry arguments) as well as $f_{\Xi_c^0}/f_{\Xi_c^+} = 1.00 \pm 0.01$. It further uses the inputs $B(\Lambda_c^+ \rightarrow pK^-\pi^+) = (6.23 \pm 0.33) \times 10^{-2}$ and $B(\Xi_c^+ \rightarrow pK^-\pi^+) = (4.5 \pm 2.1 \pm 0.7) \times 10^{-3}$ (from LI 19C). Its correlation with $B(\Xi_c^+ \rightarrow pK^-\pi^+)$, as measured in AAIJ 20AH, is 0.414.

$\Gamma(\Lambda_c^+ \pi^-)/\Gamma(\Xi^- \pi^+)$ Γ_{22}/Γ_{13}

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.38±0.05 OUR FIT				
0.38±0.04±0.04	1468	¹ TANG	23 BELL	$e^+e^- \rightarrow \Upsilon(nS)$
¹ TANG 23 reports fitted masses $m_{\Lambda_c^+} = 2286.55 \pm 0.03$ MeV and $m_{\Xi_c^0} = 2470.43 \pm 0.06$ MeV.				

$\Gamma(\Xi^- K^+)/\Gamma(\Xi^- \pi^+)$ Γ_{23}/Γ_{13}

VALUE (units 10^{-2})	EVTS	DOCUMENT ID	TECN	COMMENT
2.75±0.51±0.25	314 ± 58	CHISTOV	13 BELL	$e^+e^- \approx \Upsilon(4S)$

$\Gamma(\Lambda K^+ K^- (\text{no } \phi))/\Gamma(\Xi^- \pi^+)$ Γ_{24}/Γ_{13}

VALUE (units 10^{-2})	EVTS	DOCUMENT ID	TECN	COMMENT
2.86±0.61±0.37	510 ± 110	CHISTOV	13 BELL	$e^+e^- \approx \Upsilon(4S)$

$\Gamma(\Lambda \phi)/\Gamma(\Xi^- \pi^+)$ Γ_{25}/Γ_{13}

VALUE (units 10^{-2})	EVTS	DOCUMENT ID	TECN	COMMENT
3.43±0.58±0.32	316 ± 54	CHISTOV	13 BELL	$e^+e^- \approx \Upsilon(4S)$

Ξ_c^0 DECAY PARAMETERS

See the note on “Baryon Decay Parameters” in the neutron Listings.

α FOR $\Xi_c^0 \rightarrow \Xi^- \pi^+$

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
-0.64±0.05±0.01		LI	21C BELL	e^+e^- at 10.52, 10.58 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$-0.56 \pm 0.39^{+0.10}_{-0.09}$	138	CHAN	01 CLE2	$e^+e^- \approx \Upsilon(4S)$

α FOR $\Xi_c^0 \rightarrow \Xi^+ \pi^-$

VALUE	DOCUMENT ID	TECN	COMMENT
0.61±0.05±0.01	LI	21C BELL	e^+e^- at 10.52, 10.58 GeV

α FOR $\Xi_c^0 \rightarrow \Lambda \bar{K}^*(892)^0$

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.15±0.22±0.04	4k	¹ JIA	21 BELL	e^+e^- at $\Upsilon(nS)$
¹ JIA 21 measures $\alpha(\Xi_c^0 \rightarrow \Lambda \bar{K}^*(892)^0) \alpha(\Lambda \rightarrow p\pi^-) = 0.115 \pm 0.164 \pm 0.031$, and uses $\alpha(\Lambda \rightarrow p\pi^-) = 0.747 \pm 0.010$.				

α FOR $\Xi_c^0 \rightarrow \Sigma^+ K^*(892)^-$

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
$-0.52 \pm 0.30 \pm 0.02$	373	¹ JIA	21	BELL e^+e^- at $\Upsilon(nS)$
¹ JIA 21 measures $\alpha(\Xi_c^0 \rightarrow \Sigma^+ \bar{K}^*(892)^-) \alpha(\Sigma^+ \rightarrow p\pi^0) = 0.514 \pm 0.295 \pm 0.012$, and uses $\alpha(\Sigma^+ \rightarrow p\pi^0) = -0.980 \pm 0.017$.				

 Ξ_c^0 REFERENCES

LI	23	PR D107 032001	Y. Li <i>et al.</i>	(BELLE Collab.)
TANG	23	PR D107 032005	S.S. Tang <i>et al.</i>	(BELLE Collab.)
AAIJ	22Y	SCIB 67 479	R. Aaij <i>et al.</i>	(LHCb Collab.)
ACHARYA	21A	PRL 127 272001	S. Acharya <i>et al.</i>	(ALICE Collab.)
JIA	21	JHEP 2106 160	S. Jia <i>et al.</i>	(BELLE Collab.)
LI	21C	PRL 127 121803	Y.B. Li <i>et al.</i>	(BELLE Collab.)
LI	21F	PR D105 L011102	Y. Li <i>et al.</i>	(BELLE Collab.)
MCNEIL	21	PR D103 112002	J.T. McNeil <i>et al.</i>	(BELLE Collab.)
AAIJ	20AH	PR D102 071101	R. Aaij <i>et al.</i>	(LHCb Collab.)
PDG	20	PTEP 2020 083C01	P.A. Zyla <i>et al.</i>	(PDG Collab.)
AAIJ	19AB	PR D99 052006	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	19AG	PR D100 032001	R. Aaij <i>et al.</i>	(LHCb Collab.)
LI	19A	PRL 122 082001	Y.B. Li <i>et al.</i>	(BELLE Collab.)
LI	19C	PR D100 031101	Y.B. Li <i>et al.</i>	(BELLE Collab.)
AALTONEN	14B	PR D89 072014	T. Aaltonen <i>et al.</i>	(CDF Collab.)
CHISTOV	13	PR D88 071103	R. Chistov <i>et al.</i>	(BELLE Collab.)
AUBERT,B	05M	PRL 95 142003	B. Aubert <i>et al.</i>	(BABAR Collab.)
LESIAK	05	PL B605 237	T. Lesiak <i>et al.</i>	(BELLE Collab.)
Also		PL B617 198 (errat.)	T. Lesiak <i>et al.</i>	(BELLE Collab.)
DANKO	04	PR D69 052004	I. Danko <i>et al.</i>	(CLEO Collab.)
LINK	02H	PL B541 211	J.M. Link <i>et al.</i>	(FNAL FOCUS Collab.)
CHAN	01	PR D63 111102	S. Chan <i>et al.</i>	(CLEO Collab.)
FRABETTI	98B	PL B426 403	P.L. Frabetti <i>et al.</i>	(FNAL E687 Collab.)
ALEXANDER	95B	PRL 74 3113	J. Alexander <i>et al.</i>	(CLEO Collab.)
Also		PRL 75 4155 (errat.)	J. Alexander <i>et al.</i>	(CLEO Collab.)
ALBRECHT	93B	PL B303 368	H. Albrecht <i>et al.</i>	(ARGUS Collab.)
FRABETTI	93C	PRL 70 2058	P.L. Frabetti <i>et al.</i>	(FNAL E687 Collab.)
HENDERSON	92B	PL B283 161	S. Henderson <i>et al.</i>	(CLEO Collab.)
ALBRECHT	90F	PL B247 121	H. Albrecht <i>et al.</i>	(ARGUS Collab.)
BARLAG	90	PL B236 495	S. Barlag <i>et al.</i>	(ACCMOR Collab.)
ALAM	89	PL B226 401	M.S. Alam <i>et al.</i>	(CLEO Collab.)
AVERY	89	PRL 62 863	P. Avery <i>et al.</i>	(CLEO Collab.)