

$\Xi_c(3055)$

$I(J^P) = ?(?^?)$ Status: ***

$\Xi_c(3055)$ MASSES

$\Xi_c(3055)^+$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
3055.9±0.4	894	KATO	16	BELL $e^+e^- \Upsilon$ region
• • • We do not use the following data for averages, fits, limits, etc. • • •				
3058.1±1.0±2.1	199 ± 46	KATO	14	BELL See KATO 16
3054.2±1.2±0.5	218 ± 95	AUBERT	08J	BABR $e^+e^- \approx 10.58$ GeV

$\Xi_c(3055)$ WIDTHS

$\Xi_c(3055)^+$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
7.8±1.2± 1.5		KATO	16	BELL $e^+e^- \Upsilon$ region
• • • We do not use the following data for averages, fits, limits, etc. • • •				
9.7±3.4± 3.3	199 ± 46	KATO	14	BELL $e^+e^- \Upsilon(1S)$ to $\Upsilon(5S)$
17 ±6 ±11	218 ± 95	AUBERT	08J	BABR $e^+e^- \approx 10.58$ GeV

$\Xi_c(3055)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad \Sigma^{++} K^-$	seen
$\Gamma_2 \quad \Lambda D^+$	seen

$\Xi_c(3055)$ BRANCHING RATIOS

$\Gamma(\Lambda D^+)/\Gamma(\Sigma^{++} K^-)$	Γ_2/Γ_1		
VALUE	DOCUMENT ID	TECN	COMMENT
5.09±1.01±0.76	KATO	16	BELL 721 and 103 evts

$\Xi_c(3055)$ REFERENCES

KATO	16	PR D94 032002	Y. Kato <i>et al.</i>	(BELLE Collab.)
KATO	14	PR D89 052003	Y. Kato <i>et al.</i>	(BELLE Collab.)
AUBERT	08J	PR D77 012002	B. Aubert <i>et al.</i>	(BABAR Collab.)