

$\Xi_c(2980)$

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

A broad peak seen in the $\Lambda_c^+ K^- \pi^+$ mass spectrum (and possibly in the $\Lambda_c^+ K_S^0 \pi^-$ spectrum).

$\Xi_c(2980)$ MASSES

$\Xi_c(2980)^+$ MASS

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2978.5 ± 2.1 ± 2.0	405 ± 51	CHISTOV	06	BELL $e^+ e^- \approx \Upsilon(4S)$

$\Xi_c(2980)^0$ MASS

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
2977.1 ± 8.8 ± 3.5	42 ± 24	CHISTOV	06	BELL $e^+ e^- \approx \Upsilon(4S)$

$\Xi_c(2980)$ WIDTHS

$\Xi_c(2980)^+$ WIDTH

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
43.5 ± 7.5 ± 7.0	405 ± 51	CHISTOV	06	BELL $e^+ e^- \approx \Upsilon(4S)$

$\Xi_c(2980)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad \Lambda_c^+ K^- \pi^+$	seen

$\Xi_c(2980)$ REFERENCES

CHISTOV	06	PRL 97 162001	R. Chistov <i>et al.</i>	(BELLE Collab.)
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