

K₃(2320)

$$I(J^P) = \frac{1}{2}(3^+)$$

OMITTED FROM SUMMARY TABLE

Seen in the $J^P = 3^+$ wave of the antihyperon-nucleon system.
Needs confirmation.

K₃(2320) MASS

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
2324 ± 24 OUR AVERAGE				
2330 ± 40	¹ ARMSTRONG 83C	OMEG	–	18 $K^- p \rightarrow \Lambda \bar{p} X$
2320 ± 30	¹ CLELAND 81	SPEC	±	50 $K^+ p \rightarrow \Lambda \bar{p} X$

¹ $J^P = 3^+$ from moments analysis.

K₃(2320) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
150 ± 30	² ARMSTRONG 83C	OMEG	–	18 $K^- p \rightarrow \Lambda \bar{p} X$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
~ 250	² CLELAND 81	SPEC	±	50 $K^+ p \rightarrow \Lambda \bar{p} X$

² $J^P = 3^+$ from moments analysis.

K₃(2320) DECAY MODES

Mode
$\Gamma_1 \quad p \bar{\Lambda}$

K₃(2320) REFERENCES

ARMSTRONG	83C	NP B227 365	T.A. Armstrong <i>et al.</i>	(BARI, BIRM, CERN+)
CLELAND	81	NP B184 1	W.E. Cleland <i>et al.</i>	(PITT, GEVA, LAUS+)

OTHER RELATED PAPERS

ABLIKIM	05Q	PR D72 092002	M. Ablikim <i>et al.</i>	(BES Collab.)
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