$K_3(2320)$

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

OMITTED FROM SUMMARY TABLE

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

$K_3(2320)$ MASS

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

[1] $J^P = 3^+$ from moments analysis.

$K_3(2320)$ WIDTH

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

[2] $J^P = 3^+$ from moments analysis.

$K_3(2320)$ DECAY MODES

	Mode
Γ_1	$p \overline{\Lambda}$

$K_3(2320)$ REFERENCES

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

OTHER RELATED PAPERS

ABLIKIM	05Q	PR D72 092002	M. Ablikim *et al.*	(BES Collab.)