

**$K_3(2320)$** 

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

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
<b><math>2324 \pm 24</math> OUR AVERAGE</b>				
$2330 \pm 40$	<sup>1</sup> ARMSTRONG 83C	OMEG	–	18 $K^- p \rightarrow \Lambda \bar{p} X$
$2320 \pm 30$	<sup>1</sup> CLELAND 81	SPEC	±	50 $K^+ p \rightarrow \Lambda \bar{p} X$

<sup>1</sup>  $J^P = 3^+$  from moments analysis.

 **$K_3(2320)$  WIDTH**

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

<sup>2</sup>  $J^P = 3^+$  from moments analysis.

 **$K_3(2320)$  DECAY MODES**

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

 **$K_3(2320)$  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+)