

**$K_2(1580)$** 

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

OMITTED FROM SUMMARY TABLE

Seen in partial-wave analysis of the  $K^- \pi^+ \pi^-$  system. Needs confirmation. **$K_2(1580)$  MASS**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>CHG</u>	<u>COMMENT</u>
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
~ 1580	OTTER	79 -	10,14,16 $K^- p$

 **$K_2(1580)$  WIDTH**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>CHG</u>	<u>COMMENT</u>
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
~ 110	OTTER	79 -	10,14,16 $K^- p$

 **$K_2(1580)$  DECAY MODES**

Mode	Fraction ( $\Gamma_j/\Gamma$ )
$\Gamma_1$ $K^*(892)\pi$	seen
$\Gamma_2$ $K_2^*(1430)\pi$	possibly seen

 **$K_2(1580)$  BRANCHING RATIOS**

$\Gamma(K^*(892)\pi)/\Gamma_{\text{total}}$					$\Gamma_1/\Gamma$
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
<b>seen</b>	OTTER	79	HBC	-	10,14,16 $K^- p$
$\Gamma(K_2^*(1430)\pi)/\Gamma_{\text{total}}$					$\Gamma_2/\Gamma$
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
<b>possibly seen</b>	OTTER	79	HBC	-	10,14,16 $K^- p$

 **$K_2(1580)$  REFERENCES**

OTTER	79	NP B147 1	G. Otter <i>et al.</i>	(AACH3, BERL, CERN, LOIC+) JP
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