NODE=M039

$K_2(1580)$

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

OMITTED FROM SUMMARY TABLE

Seen in partial-wave analysis of the $K^-\pi^+\pi^-$ system. Needs confirmation. NODE=M039

$K_2(1580)$ MASS

NODE=M039M

VALUE (MeV)	*DOCUMENT ID*		*CHG*	*COMMENT*
• • • We do not use the following data for averages, fits, limits, etc. • • •				
~ 1580	OTTER	79	–	10,14,16 K^-p

NODE=M039M

$K_2(1580)$ WIDTH

NODE=M039W

VALUE (MeV)	*DOCUMENT ID*		*CHG*	*COMMENT*
• • • We do not use the following data for averages, fits, limits, etc. • • •				
~ 110	OTTER	79	–	10,14,16 K^-p

NODE=M039W

$K_2(1580)$ DECAY MODES

NODE=M039215;NODE=M039

	Mode	Fraction (Γ_i/Γ)	
Γ_1	$K^*(892)\pi$	seen	DESIG=1
Γ_2	$K_2^*(1430)\pi$	possibly seen	DESIG=2

$K_2(1580)$ BRANCHING RATIOS

NODE=M039220

$\Gamma(K^*(892)\pi)/\Gamma_{total}$ Γ_1/Γ

NODE=M039R1

VALUE	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
seen	OTTER	79	HBC	–	10,14,16 K^-p
• • • We do not use the following data for averages, fits, limits, etc. • • •					
possibly seen	GULER	11	BELL		$B^+ \to J/\psi K^+\pi^+\pi^-$

NODE=M039R1

$\Gamma(K_2^*(1430)\pi)/\Gamma_{total}$ Γ_2/Γ

NODE=M039R2

VALUE	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
possibly seen	OTTER	79	HBC	–	10,14,16 K^-p

NODE=M039R2

$K_2(1580)$ REFERENCES

NODE=M039

GULER	11	PR D83 032005	H. Guler *et al.*	(BELLE Collab.)
OTTER	79	NP B147 1	G. Otter *et al.*	(AACH3, BERL, CERN, LOIC+) JP

REFID=53668
REFID=22772