$K_2(1580)$

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

OMITTED FROM SUMMARY TABLE

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

$K_2(1580)$ MASS

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

$K_2(1580)$ WIDTH

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

$K_2(1580)$ DECAY MODES

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

$K_2(1580)$ BRANCHING RATIOS

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

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

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

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

$K_2(1580)$ REFERENCES

OTTER 79 NP B147 1 +Rudolph+ (AACH3, BERL, CERN, LOIC, WIEN) JP