# $K_2(1580)$

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

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 ($\Gamma_i/\Gamma$) |
|---|---|---|
| $\Gamma_1$ | $K^*(892)\pi$ | seen |
| $\Gamma_2$ | $K_2^*(1430)\pi$ | possibly seen |

## $K_2(1580)$ BRANCHING RATIOS

**$\Gamma(K^*(892)\pi)/\Gamma_{total}$** **$\Gamma_1/\Gamma$**

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

**$\Gamma(K_2^*(1430)\pi)/\Gamma_{total}$** **$\Gamma_2/\Gamma$**

| *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