

# K(1630)

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

## OMITTED FROM SUMMARY TABLE

Seen as a narrow peak, compatible with the experimental resolution, in the invariant mass of the  $K_S^0 \pi^+ \pi^-$  system produced in  $\pi^- p$  interactions at high momentum transfers.

### K(1630) MASS

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>1629±7</b>	~ 75	KARNAUKHOV98	BC	16.0 $\pi^- p \rightarrow$ ( $K_S^0 \pi^+ \pi^-$ ) $\chi^+ \pi^- \chi^0$

### K(1630) WIDTH

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>16<sup>+19</sup><sub>-16</sub></b>	~ 75	<sup>1</sup> KARNAUKHOV98	BC	16.0 $\pi^- p \rightarrow$ ( $K_S^0 \pi^+ \pi^-$ ) $\chi^+ \pi^- \chi^0$

<sup>1</sup> Compatible with an experimental resolution of  $14 \pm 1$  MeV.

### K(1630) DECAY MODES

Mode
$\Gamma_1 \quad K_S^0 \pi^+ \pi^-$

### K(1630) REFERENCES

KARNAUKHOV 98    PAN 61 203    V.M. Karnaukhov, C. Coca, V.I. Moroz  
Translated from YAF 61 252.

### OTHER RELATED PAPERS

KARNAUKHOV 00    PAN 63 588    V.M. Karnaukhov, C. Coca, V.I. Moroz  
Translated from YAF 63 652.