



$$I(J^P) = \frac{1}{2}(0^+)$$

OMITTED FROM SUMMARY TABLE

The existence of this state is controversial.

$K_0^*(800)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
722 ± 60		¹ BUGG	03 RVUE	11 $K^- p \rightarrow K^- \pi^+ n$
797 ± 19 ± 43	15090	² AITALA	02 E791	$D^+ \rightarrow K^- \pi^+ \pi^+$
905 ⁺⁶⁵ ₋₃₀		³ ISHIDA	97B RVUE	11 $K^- p \rightarrow K^- \pi^+ n$

¹ T-matrix pole. Reanalysis of ASTON 88 data.

² Not seen by KOPP 01 using 7070 events of $D^0 \rightarrow K^- \pi^+ \pi^0$. Possibly seen by LINK 02E in $D^+ \rightarrow K^- \pi^+ \mu^+ \nu_\mu$.

³ Reanalysis of ASTON 88 using interfering Breit-Wigner amplitudes.

$K_0^*(800)$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
772 ± 100		⁴ BUGG	03 RVUE	11 $K^- p \rightarrow K^- \pi^+ n$
410 ± 43 ± 87	15090	⁵ AITALA	02 E791	$D^+ \rightarrow K^- \pi^+ \pi^+$
545 ⁺²³⁵ ₋₁₁₀		⁶ ISHIDA	97B RVUE	11 $K^- p \rightarrow K^- \pi^+ n$

⁴ T-matrix pole. Reanalysis of ASTON 88 data.

⁵ Not seen by KOPP 01 using 7070 events of $D^0 \rightarrow K^- \pi^+ \pi^0$. Possibly seen by LINK 02E in $D^+ \rightarrow K^- \pi^+ \mu^+ \nu_\mu$.

⁶ Reanalysis of ASTON 88 using interfering Breit-Wigner amplitudes.

$K_0^*(800)$ REFERENCES

BUGG	03	PL B572 1	D.V. Bugg	
AITALA	02	PRL 89 121801	E.M. Aitala <i>et al.</i>	(FNAL E791 Collab.)
LINK	02E	PL B535 43	J.M. Link <i>et al.</i>	(FNAL FOCUS Collab.)
KOPP	01	PR D63 092001	S. Kopp <i>et al.</i>	(CLEO Collab.)
ISHIDA	97B	PTP 98 621	S. Ishida <i>et al.</i>	
ASTON	88	NP B296 493	D. Aston <i>et al.</i>	(SLAC, NAGO, CINC, INUS)

OTHER RELATED PAPERS

SEMENOV	03	PAN 66 526	S.V. Semenov	
		Translated from YAF 66 553.		
BEVEREN	01B	EPJ C22 493	E. van Beveren	