$f_0(2200)$

$I^G(J^{PC}) = 0^+(0^{++})$

OMITTED FROM SUMMARY TABLE

Seen at DCI in the $K^0_S K^0_S$ system. Not seen in Υ radiative decays (BARU 89). Needs confirmation.

$f_0(2200)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
2197±17	[1] AUGUSTIN	88	DM2	0	$J/\psi \rightarrow \gamma K^0_S K^0_S$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
$\sim$ 2122	HASAN	94	RVUE		$\overline{p}p \rightarrow \pi\pi$
$\sim$ 2321	HASAN	94	RVUE		$\overline{p}p \rightarrow \pi\pi$
$\sim$ 2050	[2] OAKDEN	94	RVUE		0.36-l.55 $\overline{p}p \rightarrow \pi^+\pi^-$

[1] Cannot determine spin to be 0.

[2] From solution A of amplitude analysis of data on $\overline{p}p \rightarrow \pi\pi$ See however KLOET 96 who find waves only up to $J = 3$ to be important but not significantly resonant.

$f_0(2200)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
201±51	[3] AUGUSTIN	88	DM2	0	$J/\psi \rightarrow \gamma K^0_S K^0_S$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
$\sim$ 273	HASAN	94	RVUE		$\overline{p}p \rightarrow \pi\pi$
$\sim$ 223	HASAN	94	RVUE		$\overline{p}p \rightarrow \pi\pi$
$\sim$ 120	[4] OAKDEN	94	RVUE		0.36-l.55 $\overline{p}p \rightarrow \pi^+\pi^-$

[3] Cannot determine spin to be 0.

[4] From solution A of amplitude analysis of data on $\overline{p}p \rightarrow \pi\pi$ See however KLOET 96 who find waves only up to $J = 3$ to be important but not significantly resonant.

$f_0(2200)$ REFERENCES

KLOET	96	PR D53 6120	+Myhrer	(RUTG, NORD)
HASAN	94	PL B334 215	+Bugg	(LOQM)
OAKDEN	94	NPA 574 731	+Pennington	(DURH)
BARU	89	ZPHY C42 505	+Beilin, Blinov, Blinov+	(NOVO)
AUGUSTIN	88	PRL 60 2238	+Calcaterra+	(DM2 Collab.)