$f_0(2200)$

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

OMITTED FROM SUMMARY TABLE

Seen in $K^0_S K^0_S$ (AUGUSTIN 88), $K^+ K^-$ (ABLIKIM 05Q) and $\eta\eta$ (BINON 05) system. Not seen in $\Upsilon(1S)$ radiative decays (BARU 89).

$f_0(2200)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
2189±13 OUR AVERAGE				
$2170 \pm 20^{+10}_{-15}$	ABLIKIM	05Q	BES2	$\psi(2S) \rightarrow \gamma\pi^+\pi^- K^+ K^-$
2210 ± 50	[1] BINON	05	GAMS	$33\ \pi^- p \rightarrow \eta\eta n$
2197 ± 17	[2] AUGUSTIN	88	DM2	$J/\psi \rightarrow \gamma K^0_S K^0_S$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
~ 2122	HASAN	94	RVUE	$\overline{p}p \rightarrow \pi\pi$
~ 2321	HASAN	94	RVUE	$\overline{p}p \rightarrow \pi\pi$

[1] First solution, PWA is ambiguous.
[2] Cannot determine spin to be 0.

$f_0(2200)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
238±50 OUR AVERAGE	Error includes scale factor of 1.2.			
$220 \pm 60^{+40}_{-45}$	ABLIKIM	05Q	BES2	$\psi(2S) \rightarrow \gamma\pi^+\pi^- K^+ K^-$
380 ± 90	[3] BINON	05	GAMS	$33\ \pi^- p \rightarrow \eta\eta n$
201 ± 51	[4] AUGUSTIN	88	DM2	$J/\psi \rightarrow \gamma K^0_S K^0_S$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
~ 273	HASAN	94	RVUE	$\overline{p}p \rightarrow \pi\pi$
~ 223	HASAN	94	RVUE	$\overline{p}p \rightarrow \pi\pi$

[3] First solution, PWA is ambiguous.
[4] Cannot determine spin to be 0.

$f_0(2200)$ REFERENCES

ABLIKIM	05Q	PR D72 092002	M. Ablikim *et al.*	(BES Collab.)
BINON	05	PAN 68 960	F. Binon *et al.*	
		Translated from YAF 68 998.		
HASAN	94	PL B334 215	A. Hasan, D.V. Bugg	(LOQM)
BARU	89	ZPHY C42 505	S.E. Baru *et al.*	(NOVO)
AUGUSTIN	88	PRL 60 2238	J.E. Augustin *et al.*	(DM2 Collab.)

OTHER RELATED PAPERS

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VIJANDE	05	PR D72 034025	J. Vijande, A. Valarce, F. Fernandez	
EISENHAND...	75	NP B96 109	E. Eisenhandler *et al.*	(LOQM, LIVP, DARE+)