NODE=M168

$f_0(2100)$

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

OMITTED FROM SUMMARY TABLE

Needs confirmation. NODE=M168

$f_0(2100)$ MASS

NODE=M168205

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2103± 8 OUR AVERAGE					
2102±13		[1] ANISOVICH	00J	SPEC	2.0 $\overline{p}p \rightarrow \eta\pi^0\pi^0$, $\pi^0\pi^0$, $\eta\eta$, $\eta\eta'$, $\pi^+\pi^-$
2090±30		BAI	00A	BES	$J/\psi \rightarrow \gamma(\pi^+\pi^-\pi^+\pi^-)$
2105±10		ANISOVICH	99K	SPEC	0.6–1.94 $\overline{p}p \rightarrow \eta\eta$, $\eta\eta'$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
2105± 8	80k	[2] UMAN	06	E835	5.2 $\overline{p}p \rightarrow \eta\eta\pi^0$
~ 2104		BUGG	95		$J/\psi \rightarrow \gamma\pi^+\pi^-\pi^+\pi^-$

[1] Includes the data of ANISOVICH 00B. NODE=M168M;LINKAGE=AN

[2] Statistical error only. NODE=M168M;LINKAGE=ST

$f_0(2100)$ WIDTH

NODE=M168210

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
209± 19 OUR AVERAGE					
211± 29		[3] ANISOVICH	00J	SPEC	2.0 $\overline{p}p \rightarrow \eta\pi^0\pi^0$, $\pi^0\pi^0$, $\eta\eta$, $\eta\eta'$, $\pi^+\pi^-$
330±100		BAI	00A	BES	$J/\psi \rightarrow \gamma(\pi^+\pi^-\pi^+\pi^-)$
200± 25		ANISOVICH	99K	SPEC	0.6–1.94 $\overline{p}p \rightarrow \eta\eta$, $\eta\eta'$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
236± 14	80k	[4] UMAN	06	E835	5.2 $\overline{p}p \rightarrow \eta\eta\pi^0$
~ 203		BUGG	95		$J/\psi \rightarrow \gamma\pi^+\pi^-\pi^+\pi^-$

[3] Includes the data of ANISOVICH 00B. NODE=M168W;LINKAGE=AN

[4] Statistical error only. NODE=M168W;LINKAGE=ST

$f_0(2100)$ REFERENCES

NODE=M168

UMAN	06	PR D73 052009	I. Uman *et al.*	(FNAL E835)	REFID=51063
ANISOVICH	00B	NP A662 319	A.V. Anisovich *et al.*		REFID=47942
ANISOVICH	00J	PL B491 47	A.V. Anisovich *et al.*		REFID=47950
BAI	00A	PL B472 207	J.Z. Bai *et al.*	(BES Collab.)	REFID=47426
ANISOVICH	99K	PL B468 309	A.V. Anisovich *et al.*		REFID=47472
BUGG	95	PL B353 378	D.V. Bugg *et al.*	(LOQM, PNPI, WASH)	REFID=44438

OTHER RELATED PAPERS

VIJANDE	05	PR D72 034025	J. Vijande, A. Valarce, F. Fernandez	REFID=50816