

# $f_0(2100)$

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

OMITTED FROM SUMMARY TABLE

Needs confirmation.

## $f_0(2100)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>2103 ± 8 OUR AVERAGE</b>				
2102 ± 13		<sup>1</sup> ANISOVICH 00J	SPEC	2.0 $\bar{p}p \rightarrow \eta\pi^0\pi^0, \pi^0\pi^0, \eta\eta, \eta\eta', \pi^+\pi^-$
2090 ± 30		BAI 00A	BES	$J/\psi \rightarrow \gamma(\pi^+\pi^-\pi^+\pi^-)$
2105 ± 10		ANISOVICH 99K	SPEC	0.6–1.94 $\bar{p}p \rightarrow \eta\eta, \eta\eta'$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
2105 ± 8	80k	<sup>2</sup> UMAN 06	E835	5.2 $\bar{p}p \rightarrow \eta\eta\pi^0$
~ 2104		BUGG 95		$J/\psi \rightarrow \gamma\pi^+\pi^-\pi^+\pi^-$
~ 2122		HASAN 94	RVUE	$\bar{p}p \rightarrow \pi\pi$

<sup>1</sup> Includes the data of ANISOVICH 00B indicating to exotic decay pattern.

<sup>2</sup> Statistical error only.

## $f_0(2100)$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>209 ± 19 OUR AVERAGE</b>				
211 ± 29		<sup>3</sup> ANISOVICH 00J	SPEC	2.0 $\bar{p}p \rightarrow \eta\pi^0\pi^0, \pi^0\pi^0, \eta\eta, \eta\eta', \pi^+\pi^-$
330 ± 100		BAI 00A	BES	$J/\psi \rightarrow \gamma(\pi^+\pi^-\pi^+\pi^-)$
200 ± 25		ANISOVICH 99K	SPEC	0.6–1.94 $\bar{p}p \rightarrow \eta\eta, \eta\eta'$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
236 ± 14	80k	<sup>4</sup> UMAN 06	E835	5.2 $\bar{p}p \rightarrow \eta\eta\pi^0$
~ 203		BUGG 95		$J/\psi \rightarrow \gamma\pi^+\pi^-\pi^+\pi^-$
~ 273		HASAN 94	RVUE	$\bar{p}p \rightarrow \pi\pi$

<sup>3</sup> Includes the data of ANISOVICH 00B indicating to exotic decay pattern.

<sup>4</sup> Statistical error only.

## $f_0(2100)$ REFERENCES

UMAN 06	PR D73 052009	I. Uman <i>et al.</i>	(FNAL E835)
ANISOVICH 00B	NP A662 319	A.V. Anisovich <i>et al.</i>	
ANISOVICH 00J	PL B491 47	A.V. Anisovich <i>et al.</i>	
BAI 00A	PL B472 207	J.Z. Bai <i>et al.</i>	(BES Collab.)
ANISOVICH 99K	PL B468 309	A.V. Anisovich <i>et al.</i>	
BUGG 95	PL B353 378	D.V. Bugg <i>et al.</i>	(LOQM, PNPI, WASH)
HASAN 94	PL B334 215	A. Hasan, D.V. Bugg	(LOQM)