$\pi_2(1880)$

$$I^G(J^{PC}) = 1^-(2^{-+})$$

$\pi(1880)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	CHG	COMMENT
1895±16 OUR AVERAGE						
1929±24± 18	4k	EUGENIO	08	B852	−	18 $\pi^- p \to \eta\eta\pi^- p$
1876±11± 67	145k	LU	05	B852	−	18 $\pi^- p \to \omega\pi^-\pi^0 p$
2003±88±148	69k	KUHN	04	B852	−	18 $\pi^- p \to \eta\pi^+\pi^-\pi^- p$
1880±20		ANISOVICH	01B	SPEC	0	0.6–1.94 $\overline{p}p \to \eta\eta\pi^0\pi^0$

$\pi(1880)$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	CHG	COMMENT
235± 34 OUR AVERAGE						
323± 87± 43	4k	EUGENIO	08	B852	−	18 $\pi^- p \to \eta\eta\pi^- p$
146± 17± 62	145k	LU	05	B852	−	18 $\pi^- p \to \omega\pi^-\pi^0 p$
306±132±121	69k	KUHN	04	B852	−	18 $\pi^- p \to \eta\pi^+\pi^-\pi^- p$
255± 45		ANISOVICH	01B	SPEC	0	0.6–1.94 $\overline{p}p \to \eta\eta\pi^0\pi^0$

$\pi_2(1880)$ DECAY MODES

	Mode
Γ_1	$\eta\eta\pi^-$
Γ_2	$a_0(980)\eta$
Γ_3	$a_2(1320)\eta$
Γ_4	$f_0(1500)\pi$
Γ_5	$f_1(1285)\pi$
Γ_6	$\omega\pi^-\pi^0$

$\Gamma\big(a_2(1320)\eta\big)/\Gamma\big(f_1(1285)\pi\big)$ Γ_3/Γ_5

VALUE	EVTS	DOCUMENT ID		TECN	CHG	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •						
22.7±7.3	69k	KUHN	04	B852	−	18 $\pi^- p \to \eta\pi^+\pi^-\pi^- p$

$\Gamma\big(f_0(1500)\pi\big)/\Gamma\big(a_0(980)\eta\big)$ Γ_4/Γ_2

VALUE	DOCUMENT ID		TECN	CHG	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
$0.28^{+0.20}_{-0.15}$	[1] ANISOVICH	01B	SPEC	0	0.6–1.94 $\overline{p}p \to \eta\eta\pi^0\pi^0$

[1] Systematic errors not estimated.

$\pi_2(1880)$ REFERENCES

EUGENIO	08	PL B660 466	P. Eugenio *et al.*	(BNL E852 Collab.)
LU	05	PRL 94 032002	M. Lu *et al.*	(BNL E852 Collab.)
KUHN	04	PL B595 109	J. Kuhn *et al.*	(BNL E852 Collab.)
ANISOVICH	01B	PL B500 222	A.V. Anisovich *et al.*	