

$\pi_2(1880)$

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

$\pi(1880)$ MASS

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

$\pi(1880)$ WIDTH

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

$\pi_2(1880)$ 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 $\omega\pi^-\pi^0$

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

<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●					
22.7 ± 7.3	69k	KUHN	04	B852	– 18 $\pi^- p \rightarrow \eta\pi^+\pi^-\pi^- p$

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

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
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0.28 ^{+0.20} _{–0.15}	¹ ANISOVICH	01B	SPEC	0 0.6–1.94 $\bar{p}p \rightarrow \eta\eta\pi^0\pi^0$

¹ Systematic errors not estimated.

$\pi_2(1880)$ REFERENCES

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