

# $\pi_2(1880)$

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

## $\pi(1880)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
<b>1895 ± 16 OUR AVERAGE</b>					
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

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
<b>235 ± 34 OUR AVERAGE</b>					
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
$\Gamma_1 \quad \eta\eta\pi^-$
$\Gamma_2 \quad a_0(980)\eta$
$\Gamma_3 \quad a_2(1320)\eta$
$\Gamma_4 \quad f_0(1500)\pi$
$\Gamma_5 \quad f_1(1285)\pi$
$\Gamma_6 \quad \omega\pi^- \pi^0$

### $\Gamma(a_2(1320)\eta)/\Gamma(f_1(1285)\pi)$ $\Gamma_3/\Gamma_5$

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 $\pi^- p \rightarrow \eta\pi^+ \pi^- \pi^- p$

### $\Gamma(f_0(1500)\pi)/\Gamma(a_0(980)\eta)$ $\Gamma_4/\Gamma_2$

VALUE	DOCUMENT ID	TECN	CHG	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
0.28 <sup>+0.20</sup> <sub>-0.15</sub>	<sup>1</sup> ANISOVICH	01B	SPEC	0 0.6-1.94 $\bar{p}p \rightarrow \eta\eta\pi^0 \pi^0$

<sup>1</sup> 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>	

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