

$\pi_2(1880)$

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

 $\pi(1880)$ MASS

| VALUE (MeV) | EVTS | DOCUMENT ID | TECN | CHG | COMMENT |
|----------------------------|------|-------------|------|------|--|
| 1895±16 OUR AVERAGE | | | | | |
| 1929±24±18 | 4k | EUGENIO | 08 | B852 | - 18 $\pi^- p \rightarrow \eta\eta\pi^- p$ |
| 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 |
|---------------------------|------|-------------|------|------|--|
| 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**

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

 $\Gamma(f_0(1500)\pi)/\Gamma(a_0(980)\eta)$ **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 $\bar{p}p \rightarrow \eta\eta\pi^0\pi^0$ |

¹Systematic 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> | |
