

$\pi_2(2005)$ 

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

OMITTED FROM SUMMARY TABLE

 $\pi_2(2005)$  MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>1963<sup>+17</sup><sub>-27</sub> OUR AVERAGE</b>				
1962 <sup>+17</sup> <sub>-29</sub>	46M	<sup>1</sup> AGHASYAN	18B COMP	190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$
1974 $\pm$ 14 $\pm$ 83	145k	LU	05 B852	18 $\pi^- p \rightarrow \omega \pi^- \pi^0 p$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
2005 $\pm$ 15		ANISOVICH	01F SPEC	2.0 $\bar{p} p \rightarrow 3\pi^0, \pi^0 \eta, \pi^0 \eta'$
<sup>1</sup> Statistical uncertainty negligible.				

 $\pi_2(2005)$  WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>370<sup>+</sup><sub>-90</sub> OUR AVERAGE</b>				
371 <sup>+</sup> <sub>-120</sub>	46M	<sup>1</sup> AGHASYAN	18B COMP	190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$
341 $\pm$ 61 $\pm$ 139	145k	LU	05 B852	18 $\pi^- p \rightarrow \omega \pi^- \pi^0 p$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
200 $\pm$ 40		ANISOVICH	01F SPEC	2.0 $\bar{p} p \rightarrow 3\pi^0, \pi^0 \eta, \pi^0 \eta'$
<sup>1</sup> Statistical uncertainty negligible.				

 $\pi_2(2005)$  DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $\pi^- \pi^+ \pi^-$	seen
$\Gamma_2$ $\omega \pi^0 \pi^-$	seen

 $\pi_2(2005)$  BRANCHING RATIOS

$\Gamma(\pi^- \pi^+ \pi^-)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$		
VALUE	DOCUMENT ID	TECN	COMMENT
seen	AGHASYAN	18B COMP	190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$
$\Gamma(\omega \pi^0 \pi^-)/\Gamma_{\text{total}}$	$\Gamma_2/\Gamma$		
VALUE	DOCUMENT ID	TECN	COMMENT
seen	LU	05 B852	18 $\pi^- p \rightarrow \omega \pi^- \pi^0 p$

 $\pi_2(2005)$  REFERENCES

AGHASYAN	18B	PR D98 092003	M. Aghasyan <i>et al.</i>	(COMPASS Collab.)
LU	05	PRL 94 032002	M. Lu <i>et al.</i>	(BNL E852 Collab.)
ANISOVICH	01F	PL B517 261	A.V. Anisovich <i>et al.</i>	