

$\pi_2(2005)$

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

OMITTED FROM SUMMARY TABLE

$\pi_2(2005)$ MASS					
<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
1963^{+17}_{-27} OUR AVERAGE					
1962^{+17}_{-29}	46M	¹ 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 ± 15		ANISOVICH	01F	SPEC	2.0 $\bar{p} p \rightarrow 3\pi^0, \pi^0 \eta, \pi^0 \eta'$
¹ Statistical uncertainty negligible.					

$\pi_2(2005)$ WIDTH					
<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
370^{+16}_{-90} OUR AVERAGE					
371^{+16}_{-120}	46M	¹ 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 ± 40		ANISOVICH	01F	SPEC	2.0 $\bar{p} p \rightarrow 3\pi^0, \pi^0 \eta, \pi^0 \eta'$
¹ Statistical uncertainty negligible.					

$\pi_2(2005)$ DECAY MODES		
Mode	Fraction (Γ_i/Γ)	
$\Gamma_1 \quad \pi^- \pi^+ \pi^-$	seen	
$\Gamma_2 \quad \omega \pi^0 \pi^-$	seen	

$\pi_2(2005)$ BRANCHING RATIOS				
$\Gamma(\pi^- \pi^+ \pi^-)/\Gamma_{\text{total}}$	Γ_1/Γ			
VALUE	DOCUMENT ID	TECN	COMMENT	
seen	AGHASYAN	18B	COMP	190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$
$\Gamma(\omega \pi^0 \pi^-)/\Gamma_{\text{total}}$	Γ_2/Γ			
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>	