

$\pi_2(2005)$

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

OMITTED FROM SUMMARY TABLE

 $\pi_2(2005)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
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 \pm 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

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
370⁺₋₉₀ OUR AVERAGE				
371 ⁺ ₋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 \pm 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)
Γ_1 $\pi^- \pi^+ \pi^-$	seen
Γ_2 $\omega \pi^0 \pi^-$	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>	