$\pi_2(2005)$

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

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	$190\ \pi^- p \to \pi^- \pi^+ \pi^- p$
$1974 \pm 14 \pm 83$	145k	LU	05	B852	$18\ \pi^- p \to \omega \pi^- \pi^0 p$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
2005 ± 15		ANISOVICH	01F	SPEC	$2.0\ \overline{p} p \to 3\pi^0,\ \pi^0 \eta,\ \pi^0 \eta'$

[1] Statistical uncertainty negligible.

$\pi_2(2005)$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
370^{+16}_{-90} OUR AVERAGE					
371^{+16}_{-120}	46M	[1] AGHASYAN	18B	COMP	$190\ \pi^- p \to \pi^- \pi^+ \pi^- p$
$341 \pm 61 \pm 139$	145k	LU	05	B852	$18\ \pi^- p \to \omega \pi^- \pi^0 p$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
200 ± 40		ANISOVICH	01F	SPEC	$2.0\ \overline{p} p \to 3\pi^0,\ \pi^0 \eta,\ \pi^0 \eta'$

[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

$\Gamma(\pi^- \pi^+ \pi^-)/\Gamma_{total}$ Γ_1/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
seen	AGHASYAN	18B	COMP	$190\ \pi^- p \to \pi^- \pi^+ \pi^- p$

$\Gamma(\omega \pi^0 \pi^-)/\Gamma_{total}$ Γ_2/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
seen	LU	05	B852	$18\ \pi^- p \to \omega \pi^- \pi^0 p$

$\pi_2(2005)$ REFERENCES

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