$\pi_1(1600)$

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

OMITTED FROM SUMMARY TABLE

$\pi_1(1600)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
1596^{+25}_{-14} OUR AVERAGE				
$1597 \pm 10^{+45}_{-10}$	IVANOV	01	MPS	18 $\pi^- p \to \eta' \pi^- p$
$1593 \pm 8^{+29}_{-47}$	[1] ADAMS	98B	MPS	18.3 $\pi^- p \to \pi^+ \pi^- \pi^- p$

[1] Natural parity exchange.

$\pi_1(1600)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
312^{+64}_{-24} OUR AVERAGE Error includes scale factor of 1.1.				
$340 \pm 40 \pm 50$	IVANOV	01	MPS	18 $\pi^- p \to \eta' \pi^- p$
$168 \pm 20^{+150}_{-12}$	[2] ADAMS	98B	MPS	18.3 $\pi^- p \to \pi^+ \pi^- \pi^- p$

[2] Natural parity exchange.

$\pi_1(1600)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\pi\pi\pi$	seen
Γ_2	$\rho^0\pi^-$	seen
Γ_3	$f_2(1270)\pi^-$	not seen
Γ_4	$\eta'(958)\pi^-$	seen

$\pi_1(1600)$ BRANCHING RATIOS

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

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
• • • We do not use the following data for averages, fits, limits, etc. • • •				
seen	[3] ADAMS	98B	MPS	18.3 $\pi^- p \to \pi^+ \pi^- \pi^- p$

$\Gamma(\eta'(958)\pi^-)/\Gamma_{total}$ **Γ_4/Γ**

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
• • • We do not use the following data for averages, fits, limits, etc. • • •				
seen	IVANOV	01	MPS	18 $\pi^- p \to \eta' \pi^- p$

$\Gamma(f_2(1270)\pi^-)/\Gamma_{total}$ **Γ_3/Γ**

VALUE	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
not seen	CHUNG	02	MPS	18.3 $\pi^- p \rightarrow \pi^+ \pi^- \pi^- p$

[3] Natural parity exchange.

$\pi_1(1600)$ REFERENCES

CHUNG	02	PR D65 072001	S.U. Chung *et al.*	
IVANOV	01	PRL 86 3977	E.I. Ivanov *et al.*	
ADAMS	98B	PRL 81 5760	G.S. Adams *et al.*	(MPS Collab.)

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