$I(J^P) = \frac{1}{2}(\frac{3}{2}^+)$ Status: ***

The latest GWU analysis (ARNDT 06) finds no evidence for this resonance.

N(1900) BREIT-WIGNER MASS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
≈ 1900 OUR ESTIMATE				
$1998\pm$ 3	SHKLYAR	13	DPWA	Multichannel
1905 ± 30	ANISOVICH	12A	DPWA	Multichannel
1915 ± 60	NIKONOV	08	DPWA	Multichannel
\bullet \bullet We do not use the following	data for averages	s, fits,	limits, e	tc. ● ● ●
1900± 8	SHRESTHA	12A	DPWA	Multichannel
1951 ± 53	PENNER	02C	DPWA	Multichannel
1879 ± 17	MANLEY	92	IPWA	$\pi N \rightarrow \pi N \& N \pi \pi$

N(1900) BREIT-WIGNER WIDTH

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT	
\sim 250 OUR ESTIMATE					_
$359\pm~10$	SHKLYAR	13	DPWA	Multichannel	
$250 {+} {120 \atop -} {50}$	ANISOVICH	12A	DPWA	Multichannel	
$180\pm$ 40	NIKONOV	08	DPWA	Multichannel	
$\bullet \bullet \bullet$ We do not use the follow	ving data for average	s, fits,	limits, e	etc. ● ● ●	
101 ± 15	SHRESTHA	12A		Multichannel	I
$498\pm$ 78	MANLEY	02C 92	IPWA	$\pi N \rightarrow \pi N \& N \pi \pi$	

N(1900) POLE POSITION

REAL PART

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT		
1900±30	ANISOVICH	12A	DPWA	Multichannel		
\bullet \bullet \bullet We do not use the following d	ata for averages	, fits,	limits, e	tc. ● ● ●		
1910	SHKLYAR	13	DPWA	Multichannel		
1895	SHRESTHA	12A	DPWA	Multichannel		
-2×IMAGINARY PART						
VALUE (MeV)	DOCUMENT ID		TECN	COMMENT		
200 + 100 - 60	ANISOVICH	12A	DPWA	Multichannel		
ullet $ullet$ $ullet$ We do not use the following data for averages, fits, limits, etc. $ullet$ $ullet$						
173 100	SHKLYAR SHRESTHA	13 12A	DPWA DPWA	Multichannel Multichannel		

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N(1900) ELASTIC POLE RESIDUE

MODULUS r					
VALUE (MeV)	DOCUMENT ID		TECN	COMMENT	_
3±2	ANISOVICH	12A	DPWA	Multichannel	
\bullet \bullet \bullet We do not use the follow	owing data for averages	s, fits,	limits, e	etc. ● ● ●	
10	SHKLYAR	13	DPWA	Multichannel	
PHASE θ					
VALUE (°)	DOCUMENT ID		TECN	COMMENT	_
10 ± 35	ANISOVICH	12A	DPWA	Multichannel	
\bullet \bullet \bullet We do not use the follow	owing data for averages	s, fits,	limits, e	etc. ● ● ●	
-64	SHKLYAR	13	DPWA	Multichannel	

N(1900) INELASTIC POLE RESIDUE

The "normalized residue" is the residue divided by $\Gamma_{pole}/2.$

Normalized re	sidue in $N\pi \rightarrow$	N(1	.900) $\rightarrow N\eta$				
MODULUS (%)	PHASE (°)		DOCUMENT ID		TECN	COMMENT	
5±2	70 ± 60		ANISOVICH	12A	DPWA	Multichannel	
Normalized residue in $N\pi \rightarrow N(1900) \rightarrow \Lambda K$							
MODULUS (%)	PHASE (°)		DOCUMENT ID		TECN	COMMENT	
7±3	135 ± 25		ANISOVICH	12A	DPWA	Multichannel	
Normalized residue in $N\pi \rightarrow N(1900) \rightarrow \Sigma K$							
MODULUS (%)	PHASE (°)		DOCUMENT ID		TECN	COMMENT	
4±2	110 ± 30		ANISOVICH	12A	DPWA	Multichannel	

N(1900) DECAY MODES

	Mode	Fraction (Γ_i/Γ)	Scale factor
Γ_1	Νπ	\sim 5 %	
Γ2	$N\pi\pi$		
Γ ₃	N ho, S=1/2, P-wave		
Γ4	$N\eta$	\sim 12 %	
Γ ₅	$N\omega$	(13 ± 9)%	3.1
Г ₆	ΛΚ	0–10 %	
Γ ₇	ΣΚ	(5.0±2.0) %	
Г ₈	$p\gamma$		
Гg	$p\gamma$, helicity ${=}1/2$		
Γ ₁₀	$p\gamma$, helicity $=3/2$		
Γ_{11}	$n\gamma$		
Γ_{12}	$n\gamma$, helicity ${=}1/2$		
Г ₁₃	$n\gamma$, helicity=3/2		

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N(1900) BRANCHING RATIOS

' (/• ^ // ' total					Γ_1/Γ
VALUE (%)	DOCUMENT ID		TECN	COMMENT	
\sim 5 OUR ESTIMATE					
25 ± 1	SHKLYAR	13	DPWA	Multichannel	
3 ± 2	ANISOVICH	12A	DPWA	Multichannel	
• • • We do not use the follow	wing data for average	es, nts,	limits, e		
7±4	SHRESTHA	12A	DPWA	Multichannel	
2 to 9	NIKONOV	08		Multichannel	
16 ± 2		020		Multichannel	N/
20±0	MANLEY	92	IPVVA	$\pi N \rightarrow \pi N \&$	$N\pi\pi$
$\Gamma(N\eta)/\Gamma_{\text{total}}$					Γ₄/Γ
VALUE (%)	DOCUMENT ID		TECN	COMMENT	
~ 12 OUR ESTIMATE					
2 ± 2	SHKLYAR	13	DPWA	Multichannel	
10 ± 4	ANISOVICH	12A	DPWA	Multichannel	
14 ± 5	PENNER	0 2C	DPWA	Multichannel	
• • • We do not use the follow	wing data for average	es, fits,	limits, e	etc. ● ● ●	
< 1	SHRESTHA	12A	DPWA	Multichannel	
-/					
$\Gamma(N\omega)/\Gamma_{\text{total}}$					Γ5/Γ
VALUE (%)	DOCUMENT ID		TECN	COMMENT	
13±9 OUR AVERAGE Error	includes scale factor	of 3.1			
10 ± 3	SHKLYAR	13	DPWA	Multichannel	
39±9	PENNER	0 2C	DPWA	Multichannel	
39±9 1/	PENNER	02C	DPWA	Multichannel	1/
$^{39\pm9}$ $(\Gamma_i\Gamma_f)^{\frac{1}{2}}/\Gamma_{total}$ in $N\pi \to I$	PENNER V(1900) → <i>N</i> ρ, S	02c 5 =1/2	DPWA , P-wav	Multichannel e (Г <u>1</u>	Г ₃) ^½ /Г
39±9 $(\Gamma_i \Gamma_f)^{\frac{1}{2}} / \Gamma_{\text{total}} \text{ in } N \pi \rightarrow I_{\frac{VALUE}{2}}$	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u>	02c 5 =1/2	DPWA , P-wav <u>TECN</u>	Multichannel e (Г 1	Г ₃) ^½ /Г
39±9 $(\Gamma_i \Gamma_f)^{\frac{1}{2}} / \Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> • • • We do not use the follow	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average	02C 5 =1/2 es, fits,	DPWA <i>P</i>-wave <u><i>TECN</i></u> limits, e	Multichannel e (Г <u>1</u> <u>COMMENT</u> etc. • • •	Г ₃) ^½ /Г
39±9 $(\Gamma_i \Gamma_f)^{\frac{1}{2}} / \Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> • • • We do not use the follow 0.21±0.08	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA	02C 5=1/2 es, fits, 12A	DPWA P-wave <u>TECN</u> limits, e DPWA	Multichannel e (Г1 <u>COMMENT</u> etc. • • • Multichannel	Г ₃) ^½ /Г
39±9 $(\Gamma_i\Gamma_f)^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> • • • We do not use the follow 0.21±0.08 -0.34±0.03	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY	02C 5=1/2 es, fits, 12A 92	DPWA , P-wav <u>TECN</u> limits, e DPWA IPWA	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$	Г3)¹∕/Г №ππ
39±9 $(\Gamma_i \Gamma_f)^{\frac{1}{2}} / \Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> • • • We do not use the follow 0.21±0.08 -0.34±0.03 = (+ + + + + + + + + + + + + + + + + +	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY	02C 5=1/2 es, fits, 12A 92	DPWA <i>P</i> -wave <i>TECN</i> limits, e DPWA IPWA	Multichannel e (Γ_1 <u>COMMENT</u> ttc. • • • Multichannel $\pi N \rightarrow \pi N \&$	Γ3)^{1/2}/Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY	02c =1/2 es, fits, 12A 92	DPWA <u>TECN</u> limits, e DPWA IPWA	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$	Γ3)^{1/2}/Γ ^{Νππ} Γ6/Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ <u>VALUE (%)</u>	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u>	02c 5=1/2 es, fits, 12A 92	DPWA <i>P</i> -wave <i>TECN</i> limits, e DPWA IPWA <i>TECN</i>	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u>	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39±9 $(\Gamma_i\Gamma_f)^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> • • • We do not use the follow 0.21±0.08 -0.34±0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ <u>VALUE (%)</u> 0 to 10 OUR ESTIMATE	PENNER N(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u>	02c =1/2 es, fits, 12A 92	DPWA <u>FECN</u> limits, e DPWA IPWA <u>TECN</u>	Multichannel e (Γ_1 <u>COMMENT</u> ttc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u>	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> ••• We do not use the follow 0.21 \pm 0.08 -0.34 \pm 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ <u>VALUE (%) 0 to 10 OUR ESTIMATE 16 ± 5 0.4 \pm 0.02 </u>	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH	02c 5=1/2 es, fits, 12A 92 12A	DPWA <u>TECN</u> limits, e DPWA IPWA <u>TECN</u> DPWA	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39±9 $(\Gamma_i\Gamma_f)^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ <u>VALUE</u> • • • We do not use the follow 0.21±0.08 -0.34±0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ <u>VALUE (%)</u> 0 to 10 OUR ESTIMATE 16 ±5 2.4±0.3	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR	02c 5=1/2 es, fits, 12A 92 12A 05	DPWA <u>TECN</u> limits, e DPWA IPWA <u>TECN</u> DPWA DPWA	Multichannel e (Γ_1 <u>COMMENT</u> ttc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel	Γ3)^{1/2}/Γ ^{Νππ} Γ6/Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ $VALUE$ ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ $VALUE (\%)$ ••• Use do not use the follow 16 ± 5 2.4 ± 0.3 ••• We do not use the follow	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average	02c =1/2 es, fits, 12A 92 12A 05 es, fits,	DPWA <u>TECN</u> limits, e DPWA IPWA <u>TECN</u> DPWA DPWA limits, e	Multichannel e (Γ_1 <u>COMMENT</u> ttc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel Multichannel ettc. • • •	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ $VALUE$ ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ $VALUE (\%)$ 0 to 10 OUR ESTIMATE 16 ± 5 2.4 ± 0.3 ••• We do not use the follow 14 ± 5	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average SHRESTHA	02c 5=1/2 es, fits, 12A 92 12A 05 es, fits, 12A	DPWA <u>TECN</u> limits, e DPWA IPWA <u>TECN</u> DPWA limits, e DPWA	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel etc. • • Multichannel	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow N$ $VALUE$ ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ $VALUE (\%)$ ••• 10 OUR ESTIMATE 16 ± 5 2.4 ± 0.3 ••• We do not use the follow 14 ± 5 $5 \text{ to } 15$	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average SHRESTHA NIKONOV	02c 5=1/2 es, fits, 12A 92 12A 05 es, fits, 12A 05	DPWA <u>TECN</u> limits, e DPWA IPWA <u>TECN</u> DPWA DPWA limits, e DPWA	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel Multichannel Multichannel Multichannel	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow N$ <u>VALUE</u> ••• We do not use the follow 0.21\pm0.08 -0.34\pm0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ <u>VALUE (%)</u> 0 to 10 OUR ESTIMATE 16 ±5 2.4\pm0.3 ••• We do not use the follow 14 ±5 5 to 15 0.1±0.1	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average SHRESTHA NIKONOV PENNER	02c 5=1/2 es, fits, 12A 92 12A 05 es, fits, 12A 05 20 05 05 05 02 05 05 05 05 02 05 05 05 05 05 05 05 05 05 05	DPWA <u>TECN</u> limits, e DPWA IPWA <u>TECN</u> DPWA limits, e DPWA DPWA DPWA	Multichannel e (Γ_1 <u>COMMENT</u> ttc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel	Γ3)^{1/2}/Γ ^{Νππ} Γ6/Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ $VALUE$ ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ $VALUE (\%)$ ••• We do not use the follow 14 ± 5 $5 \text{ to } 15$ 0.1 ± 0.1 $\Gamma(\Sigma K)/\Gamma$	PENNER V(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average SHRESTHA NIKONOV PENNER	02c 5=1/2 es, fits, 12A 92 12A 05 es, fits, 12A 05 es, fits, 12A 05 es, fits, 12A 05	DPWA <u>TECN</u> limits, e DPWA IPWA <u>TECN</u> DPWA DPWA limits, e DPWA DPWA DPWA	Multichannel e (Γ_1 <u>COMMENT</u> ttc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel	Γ3)^{1/2}/Γ Νππ Γ6/Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ $VALUE$ ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ $VALUE (\%)$ 0 to 10 OUR ESTIMATE 16 ± 5 2.4 ± 0.3 ••• We do not use the follow 14 ± 5 $5 \text{ to } 15$ 0.1 ± 0.1 $\Gamma(\Sigma K)/\Gamma_{\text{total}}$	PENNER N(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average SHRESTHA NIKONOV PENNER	02c 5=1/2 es, fits, 12A 92 12A 05 es, fits, 12A 05 08 02c	DPWA <u>TECN</u> limits, ee DPWA IPWA <u>TECN</u> DPWA DPWA limits, ee DPWA DPWA DPWA	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{\text{total}} \text{ in } N\pi \rightarrow I$ $\frac{VALUE}{\bullet \bullet \bullet \text{ We do not use the follow}}$ 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{\text{total}}$ $\frac{VALUE(\%)}{\bullet \bullet \bullet \text{ to 10 OUR ESTIMATE}}$ 16 ± 5 2.4 ± 0.3 $\bullet \bullet \text{ We do not use the follow}$ 14 ± 5 5 to 15 0.1 ± 0.1 $\Gamma(\Sigma K)/\Gamma_{\text{total}}$ $\frac{VALUE(\%)}{\bullet \bullet \bullet}$	PENNER N(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average SHRESTHA NIKONOV PENNER <u>DOCUMENT ID</u>	02c 5=1/2 es, fits, 12A 92 12A 05 es, fits, 12A 05 02c	DPWA <u>TECN</u> limits, ee DPWA IPWA <u>TECN</u> DPWA DPWA limits, ee DPWA DPWA DPWA DPWA DPWA	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{total} \text{ in } N\pi \rightarrow I$ $VALUE$ ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{total}$ $VALUE (\%)$ 0 to 10 OUR ESTIMATE 16 ± 5 2.4 ± 0.3 ••• We do not use the follow 14 ± 5 $5 \text{ to } 15$ 0.1 ± 0.1 $\Gamma(\Sigma K)/\Gamma_{total}$ $VALUE (\%)$ 5 ± 2	PENNER N(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average SHRESTHA NIKONOV PENNER <u>DOCUMENT ID</u> ANISOVICH	02c 5=1/2 es, fits, 12A 92 12A 05 es, fits, 12A 08 02c 12A	DPWA <u>TECN</u> limits, e DPWA IPWA <u>TECN</u> DPWA DPWA DPWA DPWA DPWA DPWA DPWA	Multichannel e (Γ_1 <u>COMMENT</u> ttc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ
39 ± 9 $(\Gamma_{i}\Gamma_{f})^{\frac{1}{2}}/\Gamma_{total} \text{ in } N\pi \rightarrow I$ $VALUE$ ••• We do not use the follow 0.21 ± 0.08 -0.34 ± 0.03 $\Gamma(\Lambda K)/\Gamma_{total}$ $VALUE (\%)$ •• We do not use the follow 14 ± 5 $5 \text{ to } 15$ 0.1 ± 0.1 $\Gamma(\Sigma K)/\Gamma_{total}$ $VALUE (\%)$ 5 ± 2 ••• We do not use the follow 14 ± 5 $5 \text{ to } 15$ 0.1 ± 0.1	PENNER N(1900) → Nρ, S <u>DOCUMENT ID</u> wing data for average SHRESTHA MANLEY <u>DOCUMENT ID</u> ANISOVICH SHKLYAR wing data for average SHRESTHA NIKONOV PENNER <u>DOCUMENT ID</u> ANISOVICH wing data for average	02c =1/2 es, fits, 12A 92 12A 05 es, fits, 12A 08 02c 12A es, fits,	DPWA <u>TECN</u> limits, ee DPWA IPWA <u>TECN</u> DPWA DPWA DPWA DPWA DPWA DPWA DPWA DPWA	Multichannel e (Γ_1 <u>COMMENT</u> etc. • • • Multichannel $\pi N \rightarrow \pi N \&$ <u>COMMENT</u> Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel Multichannel etc. • • •	Γ ₃) ^½ /Γ ^{Νππ} Γ ₆ /Γ

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N(1900) PHOTON DECAY AMPLITUDES

Papers on γN amplitudes predating 1981 may be found in our 2006 edition, Journal of Physics (generic for all A,B,E,G) **G33** 1 (2006).

$N(1900) \rightarrow p\gamma$, helicity-1/2 amplitude A_{1/2}

VALUE (GeV $^{-1/2}$)	DOCUMENT ID		TECN	COMMENT
0.026±0.015	ANISOVICH	12A	DPWA	Multichannel
\bullet \bullet \bullet We do not use the following	ng data for averages	s, fits,	limits, e	etc. • • •
-0.008 ± 0.001	SHKLYAR	13	DPWA	Multichannel
$0.041\!\pm\!0.008$	SHRESTHA	12A	DPWA	Multichannel
-0.017	PENNER	02 D	DPWA	Multichannel

$N(1900) \rightarrow p\gamma$, helicity-3/2 amplitude A_{3/2}

VALUE (GeV $^{-1/2}$)	DOCUMENT ID		TECN	COMMENT
-0.065 ± 0.030	ANISOVICH	12A	DPWA	Multichannel
\bullet \bullet \bullet We do not use the following a	lata for averages	, fits,	limits, e	etc. • • •
$0. \pm 0.001$	SHKLYAR	13	DPWA	Multichannel
-0.004 ± 0.006	SHRESTHA	12A	DPWA	Multichannel
0.031	PENNER	0 2D	DPWA	Multichannel

$N(1900) \rightarrow n\gamma$, helicity-1/2 amplitude A_{1/2}

VALUE (GeV $^{-1/2}$)	DOCUMENT ID		TECN	COMMENT
\bullet \bullet We do not use the following of	lata for averages	, fits,	limits, e	tc. • • •
-0.010 ± 0.004 -0.016	SHRESTHA PENNER	12a 02d	DPWA DPWA	Multichannel Multichannel

$N(1900) \rightarrow n\gamma$, helicity-3/2 amplitude A_{3/2}

$VALUE$ (GeV $^{-1/2}$)	DOCUMENT ID		TECN	COMMENT
ullet $ullet$ $ullet$ We do not use the following d	lata for averages	, fits,	limits, e	tc. ● ● ●
-0.011 ± 0.007	SHRESTHA	12A	DPWA	Multichannel
-0.002	PENNER	0 2D	DPWA	Multichannel

N(1900) REFERENCES

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