$I(J^P) = \frac{3}{2}(\frac{7}{2}^-)$ Status: *

OMITTED FROM SUMM	ARY TABLE				
Δ((2200) POLE PO	SIT	ION		
REAL PART VALUE (MeV)	DOCUMENT ID		TECN	COMMENT	
2100±50	CUTKOSKY			$\pi N \rightarrow \pi N$	
-2×IMAGINARY PART					
VALUE (MeV)	DOCUMENT ID				
340±80	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$	
∆ (2200) ELASTIC PO	LE R	ESIDU	E	
MODULUS r					
VALUE (MeV)	DOCUMENT ID		TECN	COMMENT	
8±3	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$	
PHASE θ					
<i>VALUE</i> (°) −70±40	DOCUMENT ID			•	
-70±40	COTROSKT	00	IFVVA	π π \to π π	
△(22	00) BREIT-WIG	NER	MASS		
VALUE (MeV)	DOCUMENT ID		TECN	COMMENT	
2200 ± 80	CUTKOSKY			$\pi N \rightarrow \pi N$	
2215±60	HOEHLER	79	IPWA	$\pi N \rightarrow \pi N$	
△ (220	0) BREIT-WIGN	IER '	WIDTH	1	
VALUE (MeV)	DOCUMENT ID		TECN	COMMENT	
450±100	CUTKOSKY			$\pi N \rightarrow \pi N$	
400 ± 100	HOEHLER	79	IPWA	$\pi N \rightarrow \pi N$	
Δ	(2200) DECAY	MOE	DES		
Mode		Fract	ion (Γ _i /	Γ)	
$\Gamma_1 N\pi$	3–8 %				
Δ(22	200) BRANCHIN	IG R	ATIOS		
$\Gamma(N\pi)/\Gamma_{\text{total}}$					Γ_1/Γ
VALUE (%)	DOCUMENT ID		TECN	COMMENT	
6±2	CUTKOSKY	80	IPWA		
5±2	HOEHLER	79	IPWA	$\pi N \rightarrow \pi N$	

Created: 5/30/2017 17:20

Δ (2200) PHOTON DECAY AMPLITUDES AT THE POLE

I

Δ (2200) \rightarrow N γ , helicity-1/2 amplitude A $_{1/2}$

$MODULUS (GeV^{-1/2})$	PHASE (°)	DOCUMENT ID		TECN	
$0.107^{+0.011}_{-0.020}$	-36 ± 5	ROENCHEN	14	DPWA	

Δ (2200) \rightarrow N γ , helicity-3/2 amplitude A $_{3/2}$

$MODULUS$ ($GeV^{-1/2}$)	PHASE (°)	DOCUMENT ID	TECN
$-0.131 ^{+ 0.024}_{- 0.009}$	113^{+9}_{-5}	ROENCHEN 14	DPWA

△(2200) REFERENCES

ROENCHEN Also	14	EPJ A50 101 EPJ A51 63 (errat.)	D. Roenchen <i>et al.</i> D. Roenchen <i>et al.</i>	
CUTKOSKY	80	Toronto Conf. 19	R.E. Cutkosky <i>et al.</i>	(CMU, LBL) IJP
Also		PR D20 2839	R.E. Cutkosky <i>et al.</i>	(CMU, LBL) IJP
HOEHLER	79	PDAT 12-1	G. Hohler <i>et al</i> .	(KARLT) IJP
Also		Toronto Conf. 3	R. Koch	(KARLT) IJP

Created: 5/30/2017 17:20