$\Delta(2200)\ 7/2^-$

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

OMITTED FROM SUMMARY TABLE

Δ(2200) POLE POSITION

REAL PART

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
2100±50	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$

−2×IMAGINARY PART

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
340±80	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$

Δ(2200) ELASTIC POLE RESIDUE

MODULUS $|r|$

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
8±3	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$

PHASE θ

VALUE (°)	*DOCUMENT ID*		*TECN*	*COMMENT*
−70±40	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$

Δ(2200) BREIT-WIGNER MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
2200±80	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$
2215±60	HOEHLER	79	IPWA	$\pi N \rightarrow \pi N$

Δ(2200) BREIT-WIGNER WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
450±100	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$
400±100	HOEHLER	79	IPWA	$\pi N \rightarrow \pi N$

Δ(2200) DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$N\pi$	3–8 %

Δ(2200) BRANCHING RATIOS

$\Gamma(N\pi)/\Gamma_{total}$ Γ_1/Γ

VALUE (%)	*DOCUMENT ID*		*TECN*	*COMMENT*
6±2	CUTKOSKY	80	IPWA	$\pi N \rightarrow \pi N$
5±2	HOEHLER	79	IPWA	$\pi N \rightarrow \pi N$

Δ(2200) REFERENCES

CUTKOSKY	80	Toronto Conf. 19	R.E. Cutkosky *et al.*	(CMU, LBL) IJP
Also		PR D20 2839	R.E. Cutkosky *et al.*	(CMU, LBL) IJP
HOEHLER	79	PDAT 12-1	G. Hohler *et al.*	(KARLT) IJP
Also		Toronto Conf. 3	R. Koch	(KARLT) IJP