

$\Delta(2150) \ 1/2^-$ $I(J^P) = \frac{3}{2}(\frac{1}{2}^-)$ Status: *		OMITTED FROM SUMMARY TABLE	
$\Delta(2150)$ POLE POSITION			
REAL PART			
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2140±80	CUTKOSKY 80	IPWA	$\pi N \rightarrow \pi N$
−2×IMAGINARY PART			
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
200±80	CUTKOSKY 80	IPWA	$\pi N \rightarrow \pi N$
$\Delta(2150)$ ELASTIC POLE RESIDUE			
MODULUS r			
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
7±2	CUTKOSKY 80	IPWA	$\pi N \rightarrow \pi N$
PHASE θ			
<u>VALUE (°)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
−60±90	CUTKOSKY 80	IPWA	$\pi N \rightarrow \pi N$
$\Delta(2150)$ BREIT-WIGNER MASS			
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2150±100	CUTKOSKY 80	IPWA	$\pi N \rightarrow \pi N$
$\Delta(2150)$ BREIT-WIGNER WIDTH			
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
200±100	CUTKOSKY 80	IPWA	$\pi N \rightarrow \pi N$
$\Delta(2150)$ DECAY MODES			
Mode		Fraction (Γ_i/Γ)	
Γ_1	$N\pi$	6–10 %	
$\Delta(2150)$ BRANCHING RATIOS			
$\Gamma(N\pi)/\Gamma_{\text{total}}$			Γ_1/Γ
<u>VALUE (%)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
8±2	CUTKOSKY 80	IPWA	$\pi N \rightarrow \pi N$

$\Delta(2150)$ REFERENCES

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)
