

$\Delta(2150) 1/2^-$ $I(J^P) = \frac{3}{2}(\frac{1}{2}^-)$ 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_j/Γ)
$\Gamma_1 \quad N\pi$	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)
