

$^{160}\text{Dy}(t,p)$  1988Bu08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 195,1 (2024)	19-Sep-2023

## Additional information 1.

1988Bu08:  $^{160}\text{Dy}(t,p)$ ,  $E(t)=17$  MeV. Enriched (63.3%) target.  $p(\theta)$  measured using a magnetic spectrograph with FWHM=15-20 keV. 13 excited states reported.

 $^{162}\text{Dy}$  Levels

E(level)	$J^\pi$ <sup>†</sup>	L	$d\sigma/d\Omega(\mu\text{b/sr})$ <sup>‡#</sup>	Comments
0 <sup>@</sup>	0 <sup>+</sup>	0	260	
81 <sup>@</sup>	2 <sup>+</sup>		27	
266 <sup>@</sup>	4 <sup>+</sup>		4	
545 <sup>@</sup>	6 <sup>+</sup>		≤5	
890 <sup>&amp;</sup>	2 <sup>+</sup>		≤4	
1062 <sup>&amp;</sup>	4 <sup>+</sup>		9	
1208			5	$J^\pi$ : Adopted Level has $J^\pi=3^-$ .
1359	3 <sup>-</sup>		2	
1397	0 <sup>+</sup>	0	8	
1533	4 <sup>+</sup>		1	
1574			2	$J^\pi$ : Adopted Levels near this energy have $J^\pi=4^+$ and $6^-$ .
1746			3	$J^\pi$ : Adopted Levels near this energy have $J^\pi=1^+$ and $6^+$ .
2104	3 <sup>-</sup>		8	
2126	(0 <sup>+</sup> )	0	21	

<sup>†</sup> From 1988Bu08, but, except for the 0<sup>+</sup> states, are based on previous studies. These assignments agree with those for the Adopted Levels except where noted.

<sup>‡</sup> Values at  $\theta=30^\circ$ .

<sup>#</sup> The uncertainties in the absolute cross sections are estimated to be  $\approx 20\%$  for the largest peaks.

<sup>@</sup> Band(A):  $K^\pi=0^+$  ground-state band.

<sup>&</sup> Band(B):  $K^\pi=2^+$   $\gamma$ -vibrational band.

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 $^{160}\text{Dy}(\text{t,p})$  **1988Bu08****Band(B):  $K^\pi=2^+$   
 $\gamma$ -vibrational band**4<sup>+</sup>                    1062**Band(A):  $K^\pi=0^+$   
ground-state band**2<sup>+</sup>                    8906<sup>+</sup>                    5454<sup>+</sup>                    2662<sup>+</sup>                    810<sup>+</sup>                    0 $^{162}_{66}\text{Dy}_{96}$