

$^{166}\text{Er}(d,^3\text{He})$ 1975Le13

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 194,460 (2024)	31-Oct-2022

1975Le13: E=34.5 MeV. Measured: $\sigma(E,\theta)$, DWBA analysis, magnetic spectrograph, FWHM=15 keV.

 ^{165}Ho Levels

E(level)	J^π [‡]	L	S^\dagger	Comments
0	$7/2^-$	3	0.04	
95 5	$9/2^-$	5	0.09	
210 5	$11/2^-$	5	(0.72)	
362 5	$3/2^+$	2	0.04	
420 5	$5/2^+$	2	0.85	
429 [#]	$1/2^+$			
449 5	$3/2^+$	2	0.19	
491 [@] 5	$(7/2^+)$		[@]	
539 5	$5/2^+$	2	0.04	
590 5	$7/2^+$	4	0.38	
680 [#]				
702 5	$5/2^-$	3	(0.06)	
801	$9/2^-$	5	0.12	
995 [#]				
1080 5	$7/2^+$	4	0.70	
1505 15	$(11/2^-)$	5	0.40	J^π : $9/2^-, 11/2^-$ in the Adopted Levels.
1704 15	$(1/2^+)$	(0)	0.15	
1797 15	$(5/2^+)$	2	0.28	
1873 15	$(7/2^+)$	4	0.59	J^π : $7/2^+, 9/2^+$ in the Adopted Levels.

[†] Nuclear structure factor $d\sigma/d\Omega(\text{exp})/d\sigma/d\Omega(\text{DWBA})$.

[‡] Values assumed for calculations of S. Most values are consistent with those in the Adopted Levels.

[#] Peak not resolved, rounded energy from the Adopted Levels.

[@] Very weak peak.