

$^{124}\text{Te}(\text{d},\text{d}')$  1970Ch14

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. Katakura, Z. D. Wu		NDS 109, 1655 (2008)	1-Apr-2008

1970Ch14: E=12 MeV magnetic spectrograph FWHM $\approx$ 7 keV, dE/dx counter; enriched target;  $\sigma(\theta)$ .  
Other: 1966Ki04.

 $^{124}\text{Te}$  Levels

E(level)	$J^\pi$ <sup>†</sup>	L	$d\sigma/d\Omega$ (mb/sr) <sup>‡</sup>	Comments
0.0	0 <sup>+</sup>		20900	
604 4	2 <sup>+</sup>	2	663	$\beta_2=0.18$ .
1246 4	4 <sup>+</sup>		$\approx 49$	
1290? 4	(0 <sup>+</sup> )		13	Observed (d,d') only. 1970Sh14 proposed this state as a possible member of the 2-phonon triplet with $J^\pi=(0^+)$ .
1325 4	2 <sup>+</sup>		65	
1659 4			10	
1748 4			6	
1958 4			20	
2037 4			19	
2223 4			34	
2291 4	3 <sup>-</sup>	3	207	$\beta_3=0.13$ .
2330 4				
2509 4			14	
2525 4			4	
2547 4			4	
2689 4				
2727 4			14	

<sup>†</sup> From 1970Ch14.

<sup>‡</sup> Measurement was done 90°.