

$^{122}\text{Te}(\text{d},^6\text{Li})$  1979Ja21

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	K. Kitao	NDS 75,99 (1995)	1-Feb-1993

E=33 MeV, broad-range spectrograph with a position-sensitive counter, FWHM=35-80 keV.

 $^{118}\text{Sn}$  Levels

2321, 2324, 2327 levels are given by 1979Ja21 as unresolved triplet. Authors assigned  $J^\pi=3^-$  and  $5^-$  for 2321 and 2324 levels, respectively, but this seems the opposite assignment based on the results of  $^{118}\text{Sn}(n,n'\gamma)$  reaction.

<u>E(level)<sup>†</sup></u>	<u>J<sup>π</sup>@</u>	<u>L&amp;</u>	<u>S<sup>a</sup></u>	<u>E(level)<sup>†</sup></u>	<u>J<sup>π</sup>@</u>	<u>L&amp;</u>	<u>S<sup>a</sup></u>	<u>E(level)<sup>†</sup></u>	<u>J<sup>π</sup>@</u>	<u>S<sup>a</sup></u>
0.0	0 <sup>+</sup>		0.022	2324 <sup>‡</sup>	3 <sup>-</sup>	3	0.015	2677	2 <sup>+</sup>	0.005
1230	2 <sup>+</sup>		0.012	2327 <sup>‡</sup>	2 <sup>+</sup>			2725 <sup>‡</sup>	1 <sup>+</sup> ,2 <sup>+</sup> ,3 <sup>+</sup>	
1758	0 <sup>+</sup>		0.018	2403 <sup>‡</sup>	2 <sup>+</sup>	2	0.002	2734 <sup>‡</sup>	4 <sup>+</sup>	0.0006
2043 <sup>‡</sup>	2 <sup>+</sup>	2	0.006	2408 <sup>‡</sup>	4 <sup>+</sup>			2918 <sup>#</sup> 15		
2057 <sup>‡</sup>	0 <sup>+</sup>		0.001	2489 <sup>‡</sup>	4 <sup>+</sup>	4	0.005	3549 <sup>#</sup> 15		
2120	(2 <sup>+</sup> )	(2)		2497 <sup>‡</sup>	0 <sup>+</sup>		0.0009	3730 <sup>#</sup> 15		
2280	4 <sup>+</sup>		0.008	2575 <sup>‡</sup>	7 <sup>-</sup>		0.006			
2321 <sup>‡</sup>	5 <sup>-</sup>		0.022	2577 <sup>‡</sup>	2 <sup>+</sup>	2	0.003			

<sup>†</sup> Rounded-off values from Adopted Levels.

<sup>‡</sup> Not resolved from neighboring peak.

<sup>#</sup> Determined in this reaction (1979Ja21).

<sup>@</sup> From Adopted Levels.

<sup>&</sup> Determined in this reaction (1979Ja21).

<sup>a</sup>  $\alpha$ -spectroscopic factor using adopted  $J^\pi$  values and with the assumption of contributions:  $\sigma(2043)/\sigma(2057)=56/44$ ,  $\sigma(2321)/\sigma(2327)=40/60$   $\sigma(2489)/\sigma(2497)=65/35$ ,  $\sigma(2575)/\sigma(2577)=20/80$ .