

$^{130}\text{Te}(\text{d},^6\text{Li})$ 1979Ja21

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	H. Iimura, J. Katakura, S. Ohya		NDS 180, 1 (2022)	1-Oct-2021

E(d)=33 MeV, broad-range magnetic spectrograph, FWHM=35-80 keV. DWBA.

 ^{126}Sn Levels

E(level)	L	S [‡]	Comments
0.0		0.006	dσ/dΩ(c.m.; 16°)=0.41 μb/sr 5.
1141 [†]	2	0.015	dσ/dΩ(c.m.; 16°)=0.14 μb/sr 3.
2050 [†]	(4)	0.007	dσ/dΩ(c.m.; 16°)=0.032 μb/sr 9.
2162 [†]	5	0.022	dσ/dΩ(c.m.; 16°)=0.074 μb/sr 13.
2219 [†]	7	0.076	dσ/dΩ(c.m.; 16°)=0.079 μb/sr 13.
2298 25			dσ/dΩ(c.m.; 16°)=0.016 μb/sr 6.
2370 [†]		0.006	S: if $J^\pi=2^+$. dσ/dΩ(c.m.; 16°)=0.039 μb/sr 10.
2550 25			dσ/dΩ(c.m.; 16°)=0.023 μb/sr 7.
2663 [†]			dσ/dΩ(c.m.; 16°)=0.016 μb/sr 6.
2720	3	0.007	dσ/dΩ(c.m.; 16°)=0.053 μb/sr 12.
2795 25			dσ/dΩ(c.m.; 16°)=0.027 μb/sr 10.
2892			dσ/dΩ(c.m.; 16°)=0.034 μb/sr 11.
2971 25			dσ/dΩ(c.m.; 16°)=0.027 μb/sr 10.
3278			dσ/dΩ(c.m.; 16°)=0.015 μb/sr 8.
3385 25			dσ/dΩ(c.m.; 16°)=0.030 μb/sr 11.
3424		0.031	S: if $J^\pi=4^+$. dσ/dΩ(c.m.; 16°)=0.080 μb/sr 17.
3790			dσ/dΩ(c.m.; 16°)=0.050 μb/sr 14.
3985 25			dσ/dΩ(c.m.; 16°)=0.046 μb/sr 13.

[†] Rounded values from Adopted Levels; 1979Ja21 quote slightly different values.

[‡] S-factors from DWBA.