^{75}As(d,^{3}He) 1977Ro22

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Ameenah R. Farhan	NDS 107, 1923 (2006)	30-Apr-2006

E=26 MeV.
Resolution=20 keV. $\sigma(\theta)$ data. DWBA calculations. See also 1978Ro14 from the same laboratory for deduced g.s. proton occupation numbers.
J^{π}(target)=3/2^{-}.

^{74}Ge Levels

E(level)	L	C^{2}S[†]	Comments
0	1	0.32	
596 *10*	1+3	0.26, 0.27	
1204 *10*	1+3	0.098,0.11	
1467 *10*	3	0.48	
1700 *10*	(1+3)	0.015,0.19	
2168 *10*	3	0.1	
2201 *10*	1(+3)	0.019,0.022	C^{2}S: 0.022 if L=1.
2222 *10*	1	0.007	
2835 *10*	1+3	0.15, 0.27	
2859 *10*	1(+3)	0.014,0.08	C^{2}S: 0.024 if L=1.
2937 *10*	1+3	0.086,0.16	
2996 *10*			L: 3(+1) or 2+4. Correspondence to 2^{+}, 3005 level (see 'Adopted Levels') suggests L=3+(1). C^{2}S: 0.014, 0.18 if L=(1)+3; 0.27 if L=3.
3015 *10*	1(+3)	0.15,0.16	C^{2}S: 0.19 if L=1.
3088 *10*	1+3	0.075,0.021	
3172 *10*			L: 3 or 2+4. Correspondence to 3^{-}, 3175.47 level suggests L=2+4. C^{2}S: 0.14, 0.24 for L=2+4.
3191 *10*	3	0.21	
3210 *10*	3	0.10	
3325 *10*	3	0.15	
3388 *10*	1(+3)	0.15,0.29	C^{2}S: 0.21 if L=1.
3413 *10*	1(+3)	0.083,0.25	C^{2}S: 0.13 if L=1.
3488 *10*	1+3	0.086,0.27	
3571 *10*	1+3	0.061,0.34	
3837 *10*	1+3	0.051,0.16	

[†] C^{2}S values. When two values given, these refer to mixed L-transfer. The first value for L=1 and second for L=3.