

$^{75}\text{As}(\text{p,d})$ 1972Fo09

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

E=20 MeV.

 $J^\pi(^{75}\text{As g.s.,target})=3/2^-$.Deuterons detected In a ΔE -E counter telescopic arrangement. FWHM=40 keV. $\sigma(\theta)$ data from 12° to 90° . DWBA analysis. ^{74}As Levels

E(level)	L	S [†]	Comments
0	2	0.01	
198 5	1	0.24	
265 5	4+2	1.11,0.11	L: 91%(L=4)+9%(L=2).
337 5	4	1.46	
442 [‡] 5	1	0.06	
541 5	4(+2)	1.22,0.07	
578 10	1	0.09	
626 10	3+1	0.17,0.04	L: 80%(L=3)+20%(L=1).
726 [#] 10	3+1 @	1.19,0.51	
779 [#] 10	3+1 @	1.19,0.51	
845 5	1	0.49	
895 5	1	0.19	
958 10	3+1	0.29,0.13	L: 70%(L=3)+30%(L=1).
1022 10	1	0.22	
1098 10	4+1	0.19,0.03	
1301 10	1	0.11	
1375 [‡] 5	3+1	0.40,0.16	L: 70%(L=3)+30%(L=1).
1435 10	1	0.14	
1536 15			
1633 15			
1676 15			
1764 15			
1876 10	1	0.09	
2058 10	1	0.06	

[†] For mixed L-transfers, two values correspond two values of L-transfer, respectively.[‡] Broad peak, probably a doublet.[#] 726 and 779 form an unresolved doublet.

@ 70%(L=3)+30%(L=1) for 726+779 doublet.