^{75}As(p,t) 1976Ve05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen	NDS 158, 1 (2019)	16-May-2019

$J^{\pi}(^{75}\text{As target})=3/2^{-}$.
1976Ve05: E=26 MeV. Measured $\sigma(\theta)$, θ=5°−64°, FWHM=9 keV, DWBA calculations.
1980Or04: E=51.9 MeV. Measured g.s. transition strength, DWBA calculations.
1975HiZM (from the same laboratory as 1980Or04): E=51.9 MeV. Measured $\sigma(\theta)$.

^{73}As Levels

E(level)†	Jπ#	L@	Relative intensity	E(level)†	Jπ#	L@	Relative intensity
0		0	100	995	$(3/2)^{-}$	2	13.5
256	$(1/2)^{-}$	2	5	1182‡			
396		0(+2)&	2.4	1307‡			
579	$(5/2)^{-}$	2	20	1595		0(+2)&	1.5
656		0	3	1836‡			
859	$(7/2)^{-}$	2	22				

† From 1976Ve05, except as noted.
‡ From 1975HiZM.
# Spin suggested on the basis of relative (p,t) intensities which give reasonably constant values of $\sigma/(2J+1)$. Parity from L-transfer.
@ From 1976Ve05, from comparisons with known L transfers in ^{74}Ge(p,t).
& Dominant shape is L=0, but differs somewhat from the shapes for g.s. and 656 level either due to different configuration of the transferred neutron pair and/or to weak L=2 admixture (1976Ve05).