
 $^{38}\text{Ar}(\text{p,t})$ [1970Ha10](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, John Cameron and Balraj Singh		NDS 113, 1 (2012)	31-Dec-2011

[1970Ha10](#),[1969Ha19](#): E=45 MeV; ^{38}Ar gas target (>50.8% enrichment) measured E(t), $\sigma(\theta)$, DWBA analysis.

[1979Fr04](#): E=42 MeV; ^{38}Ar gas target (>95% enrichment).

 ^{36}Ar Levels

All data from [1970Ha10](#), unless noted otherwise.

E(level)	J^π	L	Comments
0	0^+	0	
1970	2^+	2	
4178			
4430			E(level): 4413+4440 unresolved doublet.
6612	$2^+ \ddagger$		T=1
8546	$2^+ \ddagger$		T=1
9700 <i>30</i>	$0^+ \ddagger$		
10858 $\dagger$ <i>35</i>	0^+	0	$\Gamma < 35$ keV.

$\dagger$ Also observed by [1979Fr04](#).

$\ddagger$ from agreement of experimental and calculated cross sections.