

$^{39}\text{K}(\text{p},\alpha)$ 1965A106

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

^{39}K target J^π : $3/2^+$.

1965A106: E=10.4 MeV; measured $\sigma(E\alpha)$.

1966Vo01: E=10.0-13.0 MeV; $\sigma(E(\text{p}),E\alpha,\theta)$; studied fluctuations with P energy (resolution 90 keV At levels 0 to 5 MeV).

Other: 1960Cl02 (measured yields).

 ^{36}Ar Levels

E(level)	Relative yield [†]	E(level)	Relative yield [†]	E(level)	Relative yield [†]
0	25	6240 10	45	7560 30	25
1977 5	120	6380 10	100	7600 30	15
4190 10	60	6640 10	60	7620 30	20
4342 10	30	6660 20	70	7720 30	60
4426 10	140	6760 20	65	7760 30	30
4453 10	100	6870 20	175	7800 [‡] 30	20
4969 10	95	6900 20	40	7820 [‡] 30	
4993 10	35	7180 20	70	7890 30	20
5189 10	120	7220 20	30	7940 30	35
5210 10	45	7290 20	95	8030 30	15
5850 10	40	7350 30	40	8070 30	15
5880 10	70	7370 30	40	8160 30	30
5910 10	130	7390 30	50	8200 30	55
6160 10	70	7470 30	30	8300 30	20

[†] From Fig. 1 of 1965A106 (At 55°) by evaluators.

[‡] Unresolved doublet.