

$^{37}\text{Cl}(\text{p},\text{n})$ [1981Ra19](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	John Cameron, Jun Chen and Balraj Singh, Ninel Nica		NDS 113, 365 (2012)	15-Jan-2012

$J^\pi(^{37}\text{Cl})=3/2^+$.

[1981Ra19](#): E=120 MeV; measured $d\sigma/d\Omega(E(n),\theta)$ from 0° to 30° .

Others: [1966Iy01](#), [1966Pa18](#), [1971Dr09](#).

All the data are from [1981Ra19](#).

 ^{37}Ar Levels

E(level) [†]	L	$(d\sigma/d\Omega)_{\text{cm}}(0 \text{ DEG})$ (mb/sr)	Comments
0	0	0.20 4	B(GT)=0.034 7, log ft =5.06 9.
1400	0	<0.05	B(GT)<0.009, log ft >5.64.
3100	0	1.3 2	B(GT)=0.23 4, log ft =4.23 8.
4990	0	4.8 7	B(GT)=0.08 6, log ft =3.29 9.
6100	0	0.53 10	B(GT)=0.10 2, log ft =4.60 9.
7650	0	4.7 7	B(GT)=0.87 13, log ft =3.66 6.
9650	0	3.3 6	B(GT)=0.64 12, log ft =3.79 8.
11500	0	2.3 4	B(GT)=0.47 8, log ft =3.92 8.

[†] $\Delta E < 200$ for all levels.