

Coulomb excitation [1996Sc31](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	S. -c. Wu	NDS 91, 1 (2000)	15-Jul-2000

Coulomb excitation with a radioactive beam of  $^{46}\text{Ar}$ .

Primary beam:  $^{48}\text{Ca}$ ,  $E=80$  MeV/u. Primary target:  $^9\text{Be}$ . Secondary beam:  $^{46}\text{Ar}$   $E=35.2$  MeV/u, on gold target.

Measured particle- $\gamma$  coincidence excitation of  $^{46}\text{Ar}$  contained in the beam. Plastic phoswich detector and NaI(Tl) detectors, measured  $E_\gamma$ ,  $B(E2)$ .

 $^{46}\text{Ar}$  Levels

<u>E(level)</u>	<u><math>J^\pi</math></u>	<u><math>T_{1/2}</math></u>	<u>Comments</u>
0.0	$0^+$		
1554 26	$2^+$	1.59 ps 32	$J^\pi$ : excited by E2 transition ( <a href="#">1996Sc31</a> ). $T_{1/2}$ : deduced by evaluator from $B(E2)\uparrow=0.0196$ 39.