

$^{197}\text{Au}(^{36}\text{Ar}, ^{36}\text{Ar}'\gamma)$  2000PrZX,1999Pr09

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

2000PrZX, 1999Pr09:  $E \approx 50$  MeV/nucleon; Coulomb excitation, measured  $B(E2) \uparrow$ .  
Other: 2002GI01.

 $^{36}\text{Ar}$  Levels

E(level)	$J^\pi$ †	$T_{1/2}$	Comments
0.0	$0^+$		
1970	$2^+$	335 fs 27	$T_{1/2}$ : deduced by evaluators from $B(E2) \uparrow$ . $B(E2) \uparrow = 8.17$ (2000PrZX, 1999Pr09).

† ADOPTED values.

 $\gamma(^{36}\text{Ar})$ 

$E_\gamma$	$I_\gamma$ †	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult.†
1970	100	1970	$2^+$	0.0	$0^+$	E2

† From Adopted Levels, Gammas dataset.

 $^{197}\text{Au}(^{36}\text{Ar}, ^{36}\text{Ar}'\gamma)$  2000PrZX,1999Pr09Level SchemeIntensities: Relative  $I_\gamma$ 