

$^{70}\text{Zn}(\text{p},\text{p}'\gamma)$  1977Re04

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal, E. A. Mccutchan		NDS 136, 1 (2016)	1-Jul-2016

E(p)=3.825 MeV. Measured E(ce), I(ce) using an intermediate-image  $\beta$  spectrometer and a flow proportional counter.  
 $\alpha$ : [Additional information 1](#).

 $^{70}\text{Zn}$  Levels

E(level)	$J^{\pi\dagger}$	$T_{1/2}$	Comments
0.0	$0^+$		
883	$2^+$		
1067	$0^+$	3.90 ns 20	$T_{1/2}$ : quoted by <a href="#">1977Re04</a> from F.E. Blumenberg, Univeristy of Bonn, thesis, 1973.

$\dagger$  From the Adopted Levels.

 $\gamma(^{70}\text{Zn})$ 

$E_{\gamma}$	$E_i(\text{level})$	$J_i^{\pi}$	$E_f$	$J_f^{\pi}$	Mult.	$\alpha$	$I_{(\gamma+ce)}$	Comments
184	1067	$0^+$	883	$2^+$	E2	0.0658	100	Mult.: from the Adopted Gammas.
1067	1067	$0^+$	0.0	$0^+$	E0		<0.3	$I_{(\gamma+ce)}$ : for 100 transition of 184 $\gamma$ . Mult.: from internal conversion data normalized to 184 $\gamma$ assumed to be E2. $\rho(\text{E}0)<0.05$ obtained using the Adopted $T_{1/2}$ of 3.90 ns 20.

 $^{70}\text{Zn}(\text{p},\text{p}'\gamma)$  1977Re04Level Scheme