

Er(p,xn $\gamma$ ) **1976Sv01**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 109, 1103 (2008)	1-Mar-2008

$^{167}\text{Er}(p,2n\gamma)$ ,  $E(p)=8-12$  MeV; 91.5%  $^{167}\text{Er}$  target.

$^{166}\text{Er}(p,n\gamma)$ ,  $E(p)=10, 12$  MeV; 94.9%  $^{166}\text{Er}$  target.

**1976Sv01** report a few weak transitions, attributed to  $^{166}\text{Tm}$ , observed during their investigations of  $^{165}\text{Tm}$  and  $^{167}\text{Tm}$  using Er(p,xn $\gamma$ ) reactions. Detectors: LEPS, FWHM 0.5 keV At 80 keV (for  $E_\gamma < 300$  keV); Si(Li) detector mounted in magnetic spectrometer with 16% momentum resolution (for ce measurements). measured  $E_\gamma$ ,  $E(\text{ce})$ ,  $\text{Ce}(t)$ .

 $^{166}\text{Tm}$  Levels

E(level) <sup>†</sup>	T <sub>1/2</sub>	Comments
0.0		
82.32 6	385 ps 40	T <sub>1/2</sub> : from ce(L)(t) for 82-keV transition.

<sup>†</sup> From  $E_\gamma$ .

 $\gamma(^{166}\text{Tm})$ 

$E_\gamma$	$E_i(\text{level})$	$E_f$	Comments
<sup>x75</sup> 82.32 6	82.32	0.0	$E_\gamma$ : from table 1 of <b>1976Sv01</b> .
<sup>x123</sup>			
<sup>x171</sup>			
<sup>x182</sup>			

<sup>x</sup>  $\gamma$  ray not placed in level scheme.

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