¹⁵⁰Sm(p,p'),(p,p'γ) **1964Ke03,1983Ra02**

History						
Туре	Author	Citation	Literature Cutoff Date			
Full Evaluation	S. K. Basu, A. A. Sonzogni	NDS 114, 435 (2013)	1-Apr-2013			

1964Ke03: products of the ¹⁵⁰Sm(p,p') reaction (E=12 MeV) were analyzed in a magnetic spectrograph with 0.1% energy resolution using emulsion techniques. Exposures of 4000 uc or more were taken at 90°, 95° and 133°. Enriched Sm (300 μ g/cm²) on carbon backings (10-50 μ g/cm²) were used as targets.

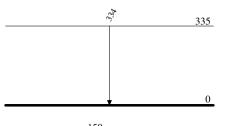
1983Ra02: observed the 334-keV γ ray of ¹⁵⁰Sm and reported yields for the ¹⁵⁰Sm(p,p' γ) reaction at E(p)=1.7 and 2.4 MeV.

¹⁵⁰Sm Levels

E(level)			
0			
335 6			
743 6			
777 6			
1048 7			
1074 7			
1172 7			
1196 7			
1697 9			
			$\gamma(^{150}\text{Sm})$
			/ ()
	F		
E_{γ} E_i (level)	E_f		
334 335	0		

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Level Scheme



 $^{150}_{62}{
m Sm}_{88}$