^{62}Ni(p,Xγ) E=164 MeV:? 1980Sa13

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. R. Bhat	NDS 85, 415 (1998)	24-Sep-1998

Ge(Li). Identification based on Eγ and consistency of σ_γ with that expected for transitions. Level scheme added by evaluators on the basis of the Adopted Levels and the suggested 1061.3 state in (n,pγ).

^{57}Mn Levels

E(level)	Jπ†
0.0	5/2⁻
83.16 *12*	5/2⁻,7/2⁻
850.07 *23*	3/2⁻
1061.3? *4*	1/2⁻,3/2⁻,5/2⁻
1075.15 *20*	⁻

† From Adopted Levels.

γ(^{57}Mn)

Eγ	σγ, mb	Ei(level)	J_i^π	E_f	J_f^π	Comments
851.6†	2.7 *11*	850.07	3/2⁻	0.0	5/2⁻	Also possible identification with ^{54}Mn.
991.5†	4.6 *16*	1075.15	⁻	83.16	5/2⁻,7/2⁻	Also definitely identified with ^{54}Mn.
1062.1†	5.9 *15*	1061.3?	1/2⁻,3/2⁻,5/2⁻	0.0	5/2⁻	

† Placement of transition in the level scheme is uncertain.

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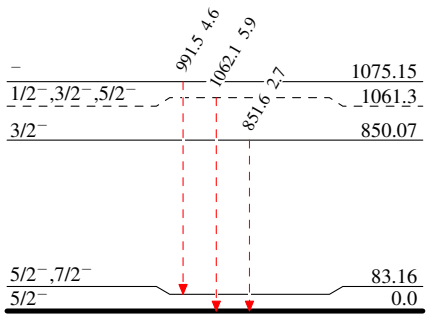
Level Scheme

Intensities: Type not specified

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$
γ Decay (Uncertain)



$^{57}_{25}Mn_{32}$