^{50}Cr(α,2nγ) 1977Ev03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde	NDS 128, 185 (2015)	10-Jul-2015

E=23.5, 27.2 MeV, measured $\sigma(90°,E\gamma)$, $\gamma\gamma$ coin, nnγ coin. two 60 cm^3 Ge(Li) counters, two conical ≠ 213/RCA 8854 counters.

^{52}Fe Levels

E(level)	J$^\pi$ †
0	0$^+$
848.3 *9*	2$^+$
2383.3 *13*	4$^+$

† From Adopted Levels.

$\gamma(^{52}Fe)$

E$_\gamma$	I$_\gamma$ †	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
848.3 *9*	4 *1*	848.3	2$^+$	0	0$^+$
1535.0 *9*		2383.3	4$^+$	848.3	2$^+$

† Photon intensity normalized to Iγ=100 for 870-keV (7$^+$) to g.s. (6$^+$) transition in ^{52}Mn produced in the experiment via ^{50}Cr(α,pn). The small relative yield of ^{52}Fe is discussed (1977Ev03).

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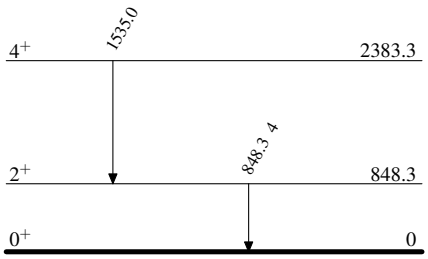
Level Scheme

Intensities: Relative I$_\gamma$



$^{52}_{26}Fe_{26}$