Ni(π^+,xγ), (π^-,Xγ), (K^-,x rayγ) 1978Ja19,1973Ev02,1972Ba55

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huo Junde, Huo Su, Yang Dong	NDS 112, 1513 (2011)	29-Oct-2009

Includes: Fe(μ^-,xnypγ), ^{59}Co(μ^-,4nγ), Ni(μ^-,xnypγ), Cu(K^-,Xγ).
1978Ja19: Ni(π^+,Xγ), (π^-,Xγ), E=100,160,220 MeV; measured prompt and β^- delayed γ-spectra.
1973Ev02: Fe(μ^-,xnypγ), Ni(μ^-,xnypγ), muon capture; measured Eγ and Iγ.
1972Ba55: Ni(K^-,Xγ), Cu(K^-,Xγ), separated 800 MeV/C K- beam was stopped in targets of Cu and Ni; measured Eγ and Iγ with Ge(Li).
1971Ba10: ^{59}Co(μ^-,4nγ), muon capture; measured Eγ and Iγ with Ge(Li).
See also 1977Ro25.

^{56}Fe Levels

E(level)[†]	L[‡]
0	
847.4 *3*	2
2085.6 *8*	

[†] From Eγ by using least-squares fits, except as noted.
[‡] From $\sigma(\theta)$ fits with DWBA (1978DyZW).

γ(^{56}Fe)

E$_\gamma$[†]	I$_\gamma$[#]	E$_i$(level)	E$_f$
847.4 *3*	100	847.4	0
1238.2 *7*	28	2085.6	847.4
[x]1327.7[‡]			

[†] From 1971Ba10, except as noted.
[‡] From 1972Ba55.
[#] Relative photon intensities normalized to Iγ(847γ)=100 (1971Ba10).
[x] γ ray not placed in level scheme.

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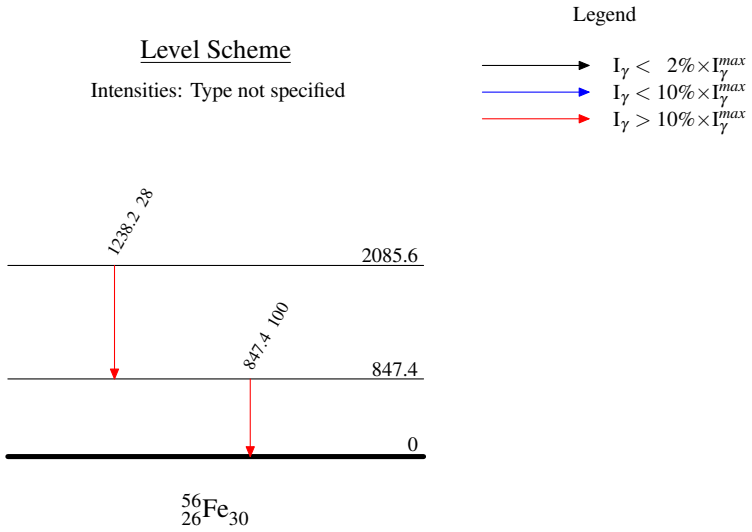
Level Scheme

Intensities: Type not specified



$^{56}_{26}Fe_{30}$