$^{238}U(^{64}Ni,X\gamma)$ 2008LuZZ

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	ENSDF	12-Apr-2010

2008LuZZ: E(^{64}Ni)=400 MeV from LNL tandem-ALPI accelerator. CLARA-PRISMA arrangement used to identify projectile-like nuclei in coin with prompt γ rays from excited states. The CLARA array consisted of 22 Compton-suppressed Ge Clover detectors.

^{57}V Levels

E(level)	J^{π} †
0	$(7/2^-)$
1163	$(11/2^-)$

† From systematics of neighboring odd-A Vanadium and even-even Ti nuclides; $7/2^-$ g.s. in ^{53}V, Eγ=1091 for $11/2^-$ to $7/2^-$ transition in ^{53}V.

$\gamma(^{57}V)$

E_γ	E_i(level)	J_i^π	E_f	J_f^π
1163	1163	$(11/2^-)$	0	$(7/2^-)$

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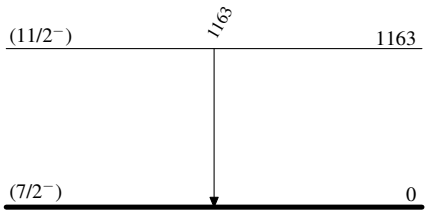
Level Scheme



$^{57}_{23}V_{34}$