^{160}Gd(^{37}Cl,Xγ) 1994Fo04

Possibly ^{160}Gd+^{37}Cl->^{160}Dy+^{35}P+2n.

1994Fo04: A 167-MeV ^{37}Cl beam was produced from the Argonne Tandem Linac Accelerator System (ATLAS). Targets were 1 mg/cm^2 98.1% enriched ^{160}Gd backed by 15 mg/cm^2 gold. γ rays were detected using the Argonne-Notre Dame BGO γ-ray facility consisting of 12 Compton-suppressed Ge detectors and a 50-element bismuth germanate (BGO) array. Measured Eγ, Iγ, $\gamma\gamma$-coin. Deduced levels.

^{35}P Levels

E(level)[†]
0
3860
4101
4493

[†] From Eγ data of 1994Fo04.

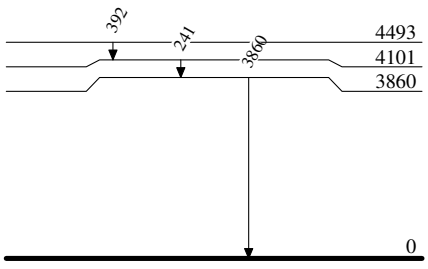
γ(^{35}P)

E$_\gamma$[†]	E$_i$(level)	E$_f$
241	4101	3860
392	4493	4101
3860	3860	0

[†] From 1994Fo04.

^{160}Gd(^{37}Cl,Xγ) 1994Fo04

Level Scheme



$^{35}_{15}P_{20}$