^{160}Gd(^{37}Cl,Xγ) 1994Fo04

1994Fo04: E=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 detected with 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.

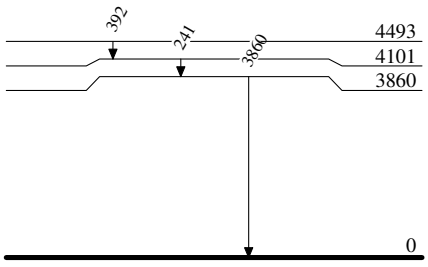
γ(^{35}P)

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



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