Coulomb excitation 2005Pa23

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 105, 223 (2005)	22-Jun-2005

Beam=^{80}Ge, target=natural carbon.
2005Pa23: C(^{80}Ge,^{80}Ge′γ) E(^{80}Ge)=2.24 MeV/nucleon. Measured Eγ, deduced B(E2). Radioactive beam of ^{80}Ge ions was obtained by bombarding uranium carbide target with 42 MeV protons, followed by mass separation of A=80 fragments.

^{80}Ge Levels

E(level)	Jπ†	$T_{1/2}$	Comments
0	0^+		
659	2^+	16.4 ps *32*	B(E2)↑=0.139 *27* $T_{1/2}$: deduced from B(E2).

† From 'Adopted Levels'.

γ(^{80}Ge)

E_γ	E_i(level)	J_i^π	E_f	J_f^π
659	659	2^+	0	0^+

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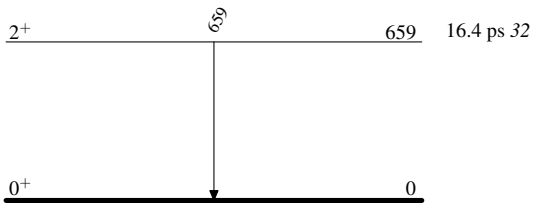
Level Scheme



$^{80}_{32}Ge_{48}$