^{44}Ca(n,n′γ),(n,n) 1956Da23,1989Ra06

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh and John A. Cameron	NDS 112, 2357 (2011)	31-Jul-2011

1956Da23: (n,n′γ) E=3.95 MeV neutron beam produced by ^{3}H(p,n)^{3}He with protons from the large Los Alamos electrostatic accelerator. ^{44}Ca target. NaI detector for detecting γ-rays. Measured Eγ. levels.
1989Ra06: (n,n) E=thermal. Measured Bragg diffraction pattern.

^{44}Ca Levels

E(level)	Jπ†
0	0+
1152	2+

† From Adopted Levels.

γ(^{44}Ca)

Eγ†	Ei(level)	Jiπ	Ef	Jfπ	Comments
1152 *20*	1152	2+	0	0+	Cross section for γ-ray from inelastic scattering: 23 mb *6*.

† From 1956Da23.

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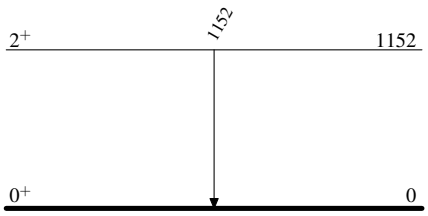
Level Scheme



$^{44}_{20}Ca_{24}$