^{2}H(^{48}Ca,^{49}Caγ) E=105 MeV 2005MaZM

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows[a]	NDS 109, 1879 (2008)	14-Jul-2008

See also ^{48}Ca(d,pγ) E=6 MeV.

Deuterated titanium target. Measured γ′s; 18 six-fold segmented HPGe of the MINIBALL array grouped In six clusters (three At θ≈45° and three At θ≈135° with respect to beam direction). Light particles detected by a DSSSD segmented In 48 rings on the front side and 16 sectors on the back side. Relative γ energy resolution of≈0.7%.

^{49}Ca Levels

E(level)
0.0
2023
3351
3585
3861
3991
4010
4072
4272
4416

γ(^{49}Ca)

E_γ	E_i(level)	E_f
659	4010	3351
2023	2023	0.0
2249	4272	2023
3351	3351	0.0
3585	3585	0.0
3861	3861	0.0
3991	3991	0.0
4072	4072	0.0
4272	4272	0.0
4416	4416	0.0

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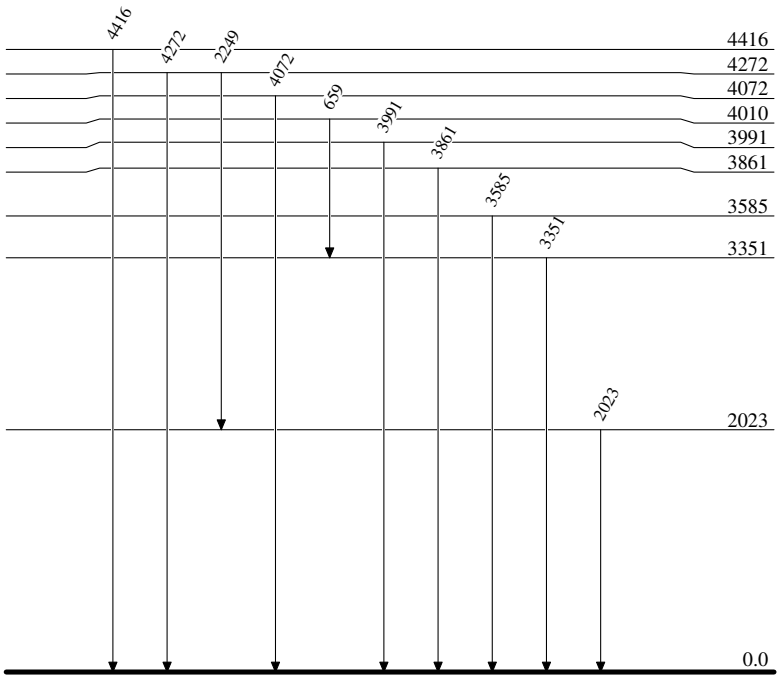
Level Scheme



$^{49}_{20}Ca_{29}$