

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde		NDS 121, 1 (2014)	20-Jun-2014

$Q(\beta^-)=8820$ SY; $S(n)=4390$ SY; $S(p)=20390$ SY; $Q(\alpha)=-14280$ SY [2012Wa38](#)

$\Delta Q(\beta^-)$: syst=620.

$\Delta S(n)$: syst=640.

$\Delta S(p)$: syst=710.

$\Delta Q(\alpha)$: syst=710.

[Additional information 1.](#)

^{54}Ca was observed by [1997Be70](#), $\text{Be}(^{238}\text{U},\text{X})$ E=750 MeV/nucleon, measured projectile fission fragment yield, fragment separator, tof techniques.

 ^{54}Ca LevelsCross Reference (XREF) Flags

A $^9\text{Be}(^{76}\text{Ge},\text{X})$
B $\text{Be}(^{55}\text{Sc},\text{P}),(^{56}\text{Ti},2\text{p})$

E(level)	J^π [†]	$T_{1/2}$	XREF	Comments
0.0	0^+	107 ms 14	AB	$\% \beta^- = 100$; $\% \beta^- n = ?$; $\% \beta^- 2n = ?$ (2012Au07) $T_{1/2}$: From $^9\text{Be}(^{76}\text{Ge},\text{X})$.
2043 19	(2^+)		B	
3699 28	(3^-)		B	

[†] From systematics of even-even nuclei.

 $\gamma(^{54}\text{Ca})$

$E_i(\text{level})$	J_i^π	E_γ	E_f	J_f^π
2043	(2^+)	2043 19	0.0	0^+
3699	(3^-)	1656 20	2043	(2^+)

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Level Scheme

