

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.](#)

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

 $^{54}\text{Ca}$  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)	$J^\pi$ <sup>†</sup>	$T_{1/2}$	XREF	Comments
0.0	$0^+$	107 ms <i>14</i>	<b>AB</b>	$\% \beta^- = 100$ ; $\% \beta^- n = ?$ ; $\% \beta^- 2n = ?$ ( <a href="#">2012Au07</a> ) $T_{1/2}$ : From $^9\text{Be}(^{76}\text{Ge},\text{X})$ .
2043 19	$(2^+)$		<b>B</b>	
3699 28	$(3^-)$		<b>B</b>	

<sup>†</sup> From systematics of even-even nuclei.

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

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

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**Adopted Levels, Gammas**Level Scheme