^{138}Ba(μ^-,γ) 1973Lu01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 146, 1 (2017)	30-Sep-2017

1973Lu01: Muons of 100 MeV/c were produced at the 600-MeV synchrocyclotron of National Aeronautics and Space Administration Space Radiation Effects Laboratory (SREL) in NewPort News. γ and x rays were detected with a 40-cm^3 coaxial Ge(Li) detector. Measured Eγ, Iγ.

^{138}Cs Levels

E(level)	J$^\pi$[†]
0.0	3$^-$
259.7 *6*	1$^-$,2$^-$

[†] From Adopted Levels.

γ(^{138}Cs)

E$_\gamma$[‡]	I$_\gamma$[‡]	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
[x]203.8[†] *8*	2.3 *5*				
[x]240.3[†] *5*	5.4 *11*				
259.7 *6*	2.0 *4*	259.7	1$^-$,2$^-$	0.0	3$^-$
[x]449.4[†] *6*	2.3 *5*				

[†] May belong to ^{136}Cs (1973Lu01).
[‡] From 1973Lu01.
[x] γ ray not placed in level scheme.

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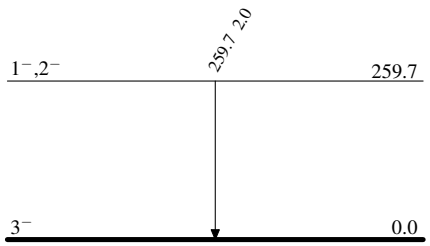
Level Scheme

Intensities: Absolute intensity per 100 muon captures



$^{138}_{55}Cs_{83}$