^{248}Fm α decay 1967Nu01

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja	NDS 146, 387 (2017)	31-Aug-2017

Parent: ^{248}Fm: E=0.0; $J^{\pi}=0^+$; $T_{1/2}$=34.5 s *12*; Q(α)=7995 *8*; %α decay=95 *5*
^{248}Fm-Q(α): From 2017Wa10.
^{248}Fm-J^{π},$T_{1/2}$: From Adopted Levels of ^{248}Fm (2014Ma86).
^{248}Fm-%α decay: From Adopted Levels of ^{248}Fm (2014Ma86).
1967Nu01: α decay from ^{248}Fm was measured with semiconductor detectors.
Other measurements: 2012Su22, 2006Ni09, 1966Ak01.

^{244}Cf Levels

E(level)[†]	J^{π}	Comments
0.0	0^+	
37 *22*	2^+	J^{π}: From Adopted Levels.

[†] Level energies are calculated from Qα(^{248}Fm)=7995 *8* (2017Wa10) and measured Eα.

α radiations

Eα[†]	E(level)	Iα[†#]	HF[‡]	Comments
7830 *20*	37	20	3	
7870 *20*	0.0	80	1	Eα: 7880 kev *30* was measured by 1966Ak01.

[†] Measurements of 1967Nu01.
[‡] r_0(^{244}Cf)=1.490 *13* (1998Ak04) is used in the calculation.
[#] For absolute intensity per 100 decays, multiply by 0.95 *5*.