^{241}Pu β^- decay

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja		30-Sep-2014

Parent: ^{241}Pu: E=0.0; $J^\pi=5/2^+$; $T_{1/2}$=14.329 y *29*; Q(β^-)=20.78 *17*; %β^- decay=100.0
^{241}Pu-Q(β^-): From 2017Wa10.
^{241}Pu-J^π,$T_{1/2}$: From Adopted Levels in ^{241}Pu.

^{241}Am Levels

E(level)	J^π
0.0	$5/2^-$

β^- radiations

E(decay)	E(level)	Iβ^-[†]	Log *ft*	Comments
(20.78 *17*)	0.0	100	5.788 *11*	av Eβ=5.227 *43* E(decay): 20.78 *20* (1999YaZX), 20.7 *3* (1999Dr13), 20.8 *2* (1956Sh31). av Eβ=5.78 *31* measured by calorimeter; $T_{1/2}$=14.03 y *30* was used (1968Oe01). The calculated value is av Eβ=5.23 *4*.

[†] For absolute intensity per 100 decays, multiply by 0.99998.