^{145}Pm α decay 1962Nu01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 187,1 (2023)	12-Oct-2022

Parent: ^{145}Pm: E=0.0; $J^{\pi}=5/2^{+}$; $T_{1/2}=17.7$ y *4*; Q(α)=2322.1 *29*; %α decay=2.8×10^{-5} *6*
^{145}Pm-Q(α): From 2021Wa16.
Measured: E(α), Iα.

^{141}Pr Levels

E(level)	J^{π}[†]
0.0	$5/2^{+}$

[†] Adopted values.

α radiations

Eα	E(level)	Iα[‡]	HF[†]
2240 *40*	0.0	100	0.013 *3*

[†] The nuclear radius parameter $r_0(^{141}Pr)=1.5958$ *78* is deduced from interpolation (or unweighted average) of radius parameters of the adjacent even-even nuclides.
[‡] For absolute intensity per 100 decays, multiply by 2.8×10^{-7} *6*.