
 $^{141}\text{I}\beta^-$ decay [1980A115,1974Ru07](#)

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

Parent: ^{141}I : $E=0.0$; $T_{1/2}=0.418$ s 8; $Q(\beta^-)=8271$ 16; $\%\beta^-$ decay=100

$^{141}\text{I}-Q(\beta^-)$: From [2021Wa16](#).

Measured: delayed neutrons ($T_{1/2}(\text{n})$ ([1980A115,1976Lu02,1974Kr21,1970HeZX](#)), emission probability ([1980A115,1978Kr15,1974Kr21](#)), $E(\text{n})$ ([1974Ru07](#))); γ ([1970KrZP](#)).

Delayed neutron emission probability=21.2% 30 ([1980A115](#)); others: 39% 13 ([1978Kr15](#)), 30% 17 ([1974Kr21](#)); see also [1974Ru07, 1969ScZY](#).

Observed neutron groups with $E(\text{n})=160, 225?, 300, 340?, 395, 450, 550, 610?, 685?$ ([1974Ru07](#)).

From $T_{1/2}$ consideration [1970KrZP](#) tentatively assign γ 's: 338, 414, 475, 574 to $^{141}\text{I}\beta^-$ decay.

 ^{141}Xe Levels

E(level)	J^π	Comments
0.0	$5/2^{(-)}$	J^π : adopted value.