Adopted Levels

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

$Q(\beta^-)$=8271 *16*; $S(n)$=4392 *20*; $S(p)$=10848 *21*; $Q(\alpha)$=−2290 *50*   2021Wa16
$S(2n)$=7598 *16*, $S(2p)$=24450 *400* (syst), $Q(\beta^-n)$=4988 *16* (2021Wa16).
Measured production cross-section from $^{208}\text{Pb}(^{238}\text{U},\text{F})$, $^9\text{Be}(^{238}\text{U},\text{F})$, E=950 MeV/A (2019Pe09).
Observed delayed neutron groups with E(n)=160, 225?, 300, 340?, 395, 450, 550, 610?, 685? (1974Ru07).
From $T_{1/2}$ consideration 1970KrZP tentatively assign gammas with Eγ=338, 414, 475, and 572 to ^{141}I β^- decay.
2020Wu04: see description at ^{141}Sb Adopted Levels dataset.
Theory: 2018Ar04, 2007Ji14, 1982Ma02, 1981Al25,

^{141}I Levels

E(level)	$T_{1/2}$	Comments
0.0	0.418 s *8*	%β^-=100; %β^-n=21.2 *30* Delayed neutron emission probability=21.2% *30* (1980Al15), 21.3% *32* (1989BrZI). Others: 39% *13* (1978Kr15), 30% *17* (1974Kr21); see also 1977Ru10, 1974Ru07, 1969ScZY. $T_{1/2}$: From 2020Wu04 fit to the implanted ion-β^--t spectrum using the least-squares and maximum-likelihood methods and confirmed by the method of gating the β-delayed γ rays. Data analysis included contributions from the parent, daughter and grand-daughter decays, as well as a constant background. Others: 0.43 s *2* (1980Al15), 0.48 s *3* (1976Lu02, same group), as well as (common authors) 0.42 s *8* (1976Ah01), 0.45 s *10* (1975Kr17), 0.41 s *8* (1974Kr21), 0.43 s *8* (1970HeZX).