

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Shaofei Zhu and E. A. Mccutchan		NDS 175, 1 (2021)	1-May-2021

$S(n)=8.27\times 10^3$ 10; $S(p)\approx 0$; $Q(\alpha)=8.27\times 10^3$ 5 [2021Wa16](#)

$S(2n)=1.828E+4$ 12, $S(2p)=2.42E+3$ 8; $Q(\epsilon p)=6.03E+3$ 8 ([2021Wa16](#)).

[1995Ni05](#): Produced in $^{170}\text{Er}(^{51}\text{V},7n)$ with a pulsed beam at 5.2-5.6 MeV/A; evaporation residues (ER) were separated in-flight by the velocity filter SHIP and implanted in PIPS detectors at the focal plane. ^{214}Pa was identified by ER-(α)-(α) time and position correlations.

 ^{214}Pa Levels

E(level)	$T_{1/2}$	Comments
0.0	17 ms 3	$\% \alpha = 100$ Only the α decay has been observed. Calculated $\% \beta \approx 0.3$ (2019Mo01). $T_{1/2}$: from 2000He17 and 1995Ni05 . $E\alpha = 8116$ keV 15 (2000He17), other: 8116 keV 20 (1995Ni05). 2000He17 and 1995Ni05 reported the same measurement. Maximum production $\sigma = 3.4$ nb 1 at 5.3 MeV/A (1995Ni05).