Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 114, 1041 (2013)	1-Nov-2011

$Q(\beta^-)$=290 10; S(n)=5973 12; S(p)=4540 16; $Q(\alpha)$=6436.3 14　　2012Wa38
Additional information 1.
Calculations, compilations:
α decay: 1993Bu09, 1992Bu03.
Ground state properties: 2010Ni02, 2008Do12, 2007Ro08, 1997Mo25, 1995Mo29.
Pion decay: 1988Io05.
Single-particle Nilsson levels: 2010Ad19, 2004Pa40, 1994Cw02.
Spontaneous fission calculated half-lives: 2005Re16, 2005RoZS, 2004Ro01.

1994Cw02 have calculated the following single-particle level sequence: g.s. 7/2[633], 0.30 MeV, 3/2[521]; 0.31 MeV, 1/2[521];
　　0.51 MeV, 7/2[514]; 0.53 MeV, 1/2[660]; 0.62 MeV, 5/2[642].

^{255}Es Levels

Cross Reference (XREF) Flags

A　　^{255}Cf β^- decay

E(level)	J^π	$T_{1/2}$	XREF	Comments
0	(7/2$^+$)	39.8 d 12	A	%β^-=92.0 4; %α=8.0 4; %SF=0.0041 2 Deduced by evaluators from %α/%β^-=0.087 4; and %β^-/%SF=2.22×10^4 10 (1967Fi03). Other: %α/%β^-=0.093 3 (1966Rg01). $T_{1/2}$(SF)=2600 y 100 (1967Fi03,2000Ho27). J^π: configuration=(π 7/2[633]) from Nilsson model (1994Cw02). Pattern of α decay to ^{251}Bk is consistent with this assignment. $T_{1/2}$: from 1966Rg01. Other: 38 d 2 (1987Po22).