Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 127, 191 (2015)	1-Jun-2014

Q(β^-)=3585 *16*; S(n)=4705 *21*; S(p)=6350 *22*; Q(α)=3628 *21* 2012Wa38
Additional information 1.
Others:
Discovery of ^{238}Pa discussed in 2013Fr03.
Cluster decay: ^{23}F, ^{24}Ne (2012Sa31).
Mass measurements: 2012Zh46, 2012Ch19.
Nuclear structure: 2008Do12.
Nuclear Reactions: ^{238}U(n,p), deduced σ (2011Ha46).
Assignment: ^{238}U(14-MeV n,p) chem, p ^{238}U (1968Tr07).

^{238}Pa Levels

E(level)	J$^\pi$	$T_{1/2}$	Comments
0.0	(3$^-$)	2.28 min *10*	%β^-=100 $T_{1/2}$: weighted average of 2.3 min *1* (1968Tr07), 1.8 min *6* (1967BeZZ), and 2.1 min *4* (1999Yu08,1999Xi05). Additional information 2. J$^\pi$: configuration ([1/2(530)$^+$]) ([5/2(622)$^+$]) as for the 91th proton in the ground states of ^{231}Pa and ^{233}Pa, and 147th neutron in the ground states of ^{241}Pu and ^{239}U.