Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	A. K. Jain (a), R. Raut (b), J. K. Tuli	NDS 110,1409 (2009)	1-Dec-2008

$Q(\beta^-)$=2713 17; S(n)=3982 15; S(p)=8466 25; $Q(\alpha)$=4335 23 2012Wa38

Note: Current evaluation has used the following Q record 2680   syst 4020   syst.

$\Delta(Q(\beta^-))$=300, $\Delta(S(n))$=420 (syst,2003Au03).

Assignment: ^{232}Th(600-MeV p, 3n5p), mass separation by ISOLDE 1997Bu03, 1987BoZP, 1969Ha03 Fr K x rays following β^- decay (1987BoZP).

1991Cw01: Calculated single particle energies, equilibrium deformations by using Woods-Saxon potential. Weak octupole deformation predicted in a few states.

^{225}Rn Levels

E(level)	J^{π}	$T_{1/2}$	Comments
0.0	$7/2^-$	4.66 min 4	$\%\beta^-$=100 μ=−0.696 8; Q=0.84 J^{π}: spin measured (1988NeZZ). 7/2[743] orbital assignment from measured μ. See 1972El21 for calculated μ values. $T_{1/2}$: measurement of 1997Bu03; other: 1969Ha03.