Adopted Levels

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh		28-Feb-2013

Q(β^-)=−7870 *CA*; S(n)=8220 *80*; S(p)=2170 *90*; Q(α)=7940 *50* 2012Wa38
Q(β^-) from 1997Mo25.
S(2n)=18770 *110*, S(2p)=2530 *90*, Q(εp)=6160 *80* (2012Wa38).

^{211}Th evaluated by B. Singh.

1995Uu01, 1995Le41, 1995Le15: ^{211}Th activity was produced by ^{181}Ta(^{35}Cl,5n), E=182, 191 MeV, and was separated using a gas-filled magnetic recoil separator. ^{211}Th was identified on the basis of correlated alpha-decay from the granddaughter nuclei ^{203}Rn.
2007Ku07, 2005Li17, 2002Sa22, 2003Ik01, 2002Mi20, 1997Mi03: production of ^{211}Th in different reactions.
Search for long-lived isomer in ^{211}Th: 2007Ma57, 2008La14. No evidence found in 2008La14.

^{211}Th Levels

E(level)	$T_{1/2}$	Comments
0	37 ms *+28−11*	%α=?; %ε+%β^+=? E(level): observed activity for ^{211}Th is assumed to correspond to g.s. J^π: 5/2$^-$ from systematics (2012Au07); 1/2$^-$ in theoretical predictions (1997Mo25). $T_{1/2}$: from α decay (1995Uu01; also 1995Le15,1995Le41). Theoretically calculated half-lives of 6.6 s for β decay, and 0.25 s for α decay (1997Mo25) suggest dominant α decay mode.