Adopted Levels

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2008

S(n)=1.11×10^4 *syst*; S(p)=−6.0×10^2 *12*; Q(α)=4.10×10^3 *5* 2012Wa38
Note: Current evaluation has used the following Q record −600.0 SY4.10E+3 *5* 2003Au03.
ΔS(p)=200 (2003Au03).
1993HeZV have found no evidence for the ^{108}I p decay.

^{108}I Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0.0	(1)	36 ms *6*	%α=91 *15* (1994Pa11); %ε+%β$^+$=9; %p<1 E(level): the α decay of ^{108}I was observed using the reaction ^{54}Fe(^{58}Ni,xnyp) E=260 MeV and the Daresbury recoil-mass separator (1994Pa11,1991Pa05). The measurement was performed with the residue implantation detection system. Two α decay lines were identified by 1991Pa05 at 3730 keV *25* and 3885 keV *25* but were not confirmed by 1994Pa11 who report 3947 keV *5* and state that any lower-energy line would be ≤13% of the main. T$_{1/2}$: from 1994Pa11. Also reported in 1994Pa12. J$^\pi$: from systematics.