Adopted Levels

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	ENSDF	31-Dec-2016

Q(β^-)=−9860 *SY*; S(n)=12290 *SY*; S(p)=60 *SY*; Q(α)=3350 *SY* 2012Wa38
ΔQ(β^-)=450, ΔS(n)=360, ΔS(p)=ΔQ(α)=280 (2012Wa38).
S(2n)=23050 *360*, S(2p)=3320 *200*, Q(εp)=5300 *200* (syst,2012Wa38).
1989Vi04: ^{135}Eu produced in the reaction ^{92}Mo(^{46}Ti,p2n) E=192 MeV and mass separated through on-line techniques. Measured x rays, γ rays, positrons and $T_{1/2}$. ^{135}Eu identified by Sm x rays and Sm x β^+ coincidences. No delayed proton activity was assigned by 1989Vi04, the authors state that interfering delayed protons from the daughter ^{135}Sm may have obscured a possible weak proton branch from the decay of ^{135}Eu.
Decay scheme of ^{135}Eu to ^{135}Sm is not known, except that a weak 120.8γ associated with ^{135}Eu decay was assigned (1989Vi04) from Sm x-γ coincidences.
Additional information 1.

^{135}Eu Levels

E(level)	$T_{1/2}$	Comments
0.0	1.5 s *2*	%ε+%β^+=100; %εp=? S(p)=60 *280* (syst,2012Wa38) does not exclude proton emission. J^π: $11/2^-$ proposed from systematics (2012Au07), $5/2^+$ from calculations (1997Mo25). $T_{1/2}$: from timing of Sm x rays (1989Vi04).