Adopted Levels:not observed

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 152, 1 (2018)	30-Sep-2017

S(p)=−60 *SY*; Q(α)=−5410 *SY* 2017Wa10
ΔS(p)=ΔQ(α)=420 (2017Wa10).
Q(β$^+$)=15120 *360*, S(2p)=−2740 *300*, Q(εp)=16720 *300* (syst,2017Wa10). Others: S(p)=270 *27*, S(2p)=−2691 *27* (calc,2013Ti01).
^{38}Ti has not yet been identified.
1996Bl21 used reaction ^{9}Be(^{58}Ni,X) E=650 MeV/nucleon to measure fragment production cross section of ^{38}Ti, but there was no evidence of the presence of this nuclide in their mass spectra. An upper limit of half-life was estimated as <120 ns from estimate of cross section for ^{38}Ti in comparison with production trends for other nuclides such as ^{58}Ni.
Mass predictions: 2013Ti01, 1971En01.
Calculations for 2-proton decay: 2013Ti01, 2012Si16, 2006Xu15, 2003Gr24, 2001Gr29, 1997Or04, 1997Co19.
Other structure calculations: 2013Xu15, 1998La02.
With S(2p)=−2540 *300* (syst,2017Wa10), ^{38}Ti is expected to be unstable to two-proton emission.

^{38}Ti Levels

E(level)	$T_{1/2}$	Comments
0?	<120 ns	%2p=? $T_{1/2}$: from estimate of cross section for ^{38}Ti in comparison with production trends for other nuclides such as ^{58}Ni (1996Bl21).