Adopted Levels:unobserved

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh	NDS 190,1 (2023)	20-Jun-2023

S(n)=17980 *syst*; S(p)=−2140 *syst*; Q(α)=−7430 *syst* 2021Wa16
Estimated uncertainties (2021Wa16): 500 for S(n), 360 for S(p), 420 for Q(α).
S(2p)=−500 *360*, Q(ε)=20880 *300*, Q(εp)=18090 *300* (syst,2021Wa16). S(2n)=38990 (theory,2019Mo01).
1992Bo37 (also 1993BoZO): ^{44}Mn produced and identified in Ni(^{58}Ni,X),E=69 MeV/nucleon; measured fragment spectra using LISE3 spectrometer at GANIL accelerator facility.
Theoretical calculations: five references for nuclear structure and three for radioactive decays retrieved from the NSR database (www.nndc.bnl.gov/nsr/) are listed in document records which can be accessed via web-based ENSDF database.
Additional information 1.

^{44}Mn Levels

E(level)	$T_{1/2}$	Comments
0?	<105 ns	%ε=?; %p=? $T_{1/2}$: upper limit estimated from expected production rates (1992Bo37). J^π: 1^- or 4^- from $\Omega_p=5/2^-$ and $\Omega_n=3/2^+$ (theory, 2019Mo01); 2^- from systematics (2021Ko07). Theoretical $T_{1/2}(\beta)$=9 ms (2019Mo01).