Status Report of the NSDD Data Center at TUNL

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I. ENSDF & XUNDL

TUNL is responsible for data evaluations in the mass range A = 3-20. Since the last NSDD/IAEA meeting we published a review of A=12 nuclides. Reviews of A=2 and A=13 nuclides are underway along with evaluations of ^{6}Be and ^{17}O.

Recent Publications from the TUNL Data Evaluation Group

Nuclear Mass	Publication/Status
A= 12	Nuclear Physics A 968 (2017) 71 – added to ENSDF in 2018

Future light-nuclei reviews will be published exclusively in NDS. In addition to the above published results, we have submitted ^{5,6}H, ^{5}Be, ^{19,20,21}B, ^{8,20}C, ^{10,19,20}N,^{17}Ne to the ENSDF database since our last meeting and we have added the corresponding files to our website.

We contribute to the compilation effort that covers the A=2-20 region for XUNDL; this amounts to about 5 compiled articles/month.

II. World Wide Web Services

TUNL continues to develop new WWW services for the nuclear science and applications communities. We have posted PDF and HTML documents for the TUNL and Fay Ajzenberg-Selove "Energy Levels of Light Nuclei" reviews and GIF, PDF and EPS/PS files of the Energy Level Diagrams. We also provide focused information on Thermal Neutron Capture data, Beta Decay data, and measured excitation functions for light-particle reactions relevant to the *A*=3-20 nuclides. We also maintain a compiled and evaluated list of lifetime values for all nuclei in the A=3-20 region.

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