

## Availability of Data Discussed in CIELO Mailing List (A35)

(S. Simakov, 2016-05-27)

### **H(n,n) angular scattering data**

During Meeting on Standards held by NDS in Dec 2014 Gery Hale pointed out the necessity to "make corrections to the G. Fink' data (22207.002), at least converting the lab cross sections and angles to c.m. relativistically. This is a 1% effect, which is comparable to the errors they are quoting."

The only existing source of such details could be the Diploma Thesis of G. Fink.

#### Progress:

NDS has contacted KIT but did not receive requested document. S.Simakov, after moving in KIT, communicated with KIT library once again and got an answer "The diploma thesis has not been published and it was not delivered to the main library for evidence". They recommended to contact directly Institut für Kernphysik of KIT.

#### Action

S.Simakov will try to find G. Fink's diploma thesis in Institut für Kernphysik of KIT.

### **<sup>235</sup>U(n,f) PFNS data of P. Staples (Nucl. Phys. A591(1995)41, Entry 13982.002)**

M. White at RCM-2 of IAEA CRP on IRDFF has reported that some values were published in this article incorrectly; the authors have also neglected the multiple scattering corrections in the sample. NDS monitors this "*a posterior* study" for possible corrections of Entry 13982.

#### Progress

The finally corrected results on <sup>235</sup>U(n,f) PFNS data of P. Staples are still not available from LANL.

#### Action

NDS and Simakov will continue monitoring.

### **The new measurements of the <sup>238</sup>U(n,2n) cross sections were performed at TUNL (Krishichayan et al.) in the energy range 6.5 to 15 MeV.**

#### Progress

In March 2015, the NDS and some participants of CRP on IRDFF validation have received these preliminary data from TUNL, however only for private usage as input for their evaluation. These data were used for validating of the IRDFF <sup>238</sup>U(n,2n) reaction evaluation issued in 2014.

#### Action

After final TUNL publication, NNDC will compile these new results.