Nuclear Data Section
International Atomic Energy Agency
P.O.Box 100, A-1400 Vienna, Austria

Memo CP-D/492

Date: 5 October 2007
To: Distribution
From: S.Dunaeva

Subject: Procedure for creation CINDA reference

In April 2005 on the special meeting on CINDA the algorithm for the import of information from EXFOR to new CINDA (extended by charged particles, photo-nuclear and missing neutron reaction data), was discussed in details.

A major result was that the final "new CINDA" file, partly generated by conversion from EXFOR, which based on the new common EXFOR master file.

Started from 2005 "new CINDA" is based on the EXFOR Master file contents.

As it can be seen from our EXFOR control Webpage, the time which compiler needs to include new publication in EXFOR can be very different. And sometimes it is impossible to create EXFOR Entry, because it is impossible to get data (author didn't send data and data cannot be digitized from the figures).

But CINDA is very unique database of reaction references.

We suggest:

1. at the same time with registration reference in EXFOR control database create "dummy" EXFOR entry, which contains information needed for CINDA database:

- Reaction code
- Laboratory
- Reference
- Title
- Authors

Two examples can be found below.

2. every Monday with same time of updating EXFOR control database send a set of "dummy" EXFOR files to responsible center;

3. responsible center checks "dummy" EXFOR files and sends final to NDS in two-three weeks;

4. NDS updates CINDA every month according to EXFOR and "dummy" EXFOR files even if there is no response from the center.

```
ENTRY            CX001   20071005
SUBENT        CX001001   20071005
BIB
TITLE      Neutron beams from deuteron breakup at the 88-Inch
           Cyclotron at Lawrence Berkeley National Laboratory
AUTHOR     (M.A.Mcmahan,L.Ahle,D.L.Bleuel,L.Bernstein,
           B.R.Barquest,J.Cerny, L.H.Heilbronn,C.C.Jewett,
           I.Thompson,B.Wilson)
REFERENCE  (C,2007NICE,,93(#456),2007)
FACILITY   (CYCLO,1USALRL) 88-Inch Cyclotron at LBNL
HISTORY    (20071005C)
ENDBIB
NOCOMMON
ENDSUBENT
SUBENT        CX001002   20071005
BIB
REACTION   (22-TI-0(D,X)0-NN-1,,DA/DE) 20,29 MeV
STATUS
ENDBIB
COMMON               2
EN-MIN     EN-MAX
MEV        MEV
  20.         29.
ENDCOMMON
NODATA
ENDSUBENT
SUBENT        CX001003   20071005
BIB
REACTION   (73-TA-0(D,X)0-NN-1,,DA/DE) 20,29 MeV
STATUS
ENDBIB
COMMON               2
EN-MIN     EN-MAX
MEV        MEV
  20.         29.
ENDCOMMON
NODATA
ENDSUBENT
ENDENTRY
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ENTRY            2X002   20071005
SUBENT        X1002001   20071005
BIB
TITLE      Measurement of the 236U(n,f) cross section as a
           function of the neutron energy
AUTHOR     (C.Wagemans,L.Desmet,S.Vermote,J.Heyse,B,O.Serot,
           J.Van Gils)
FACILITY   (LINAC,2ZZZGEL) at an 8.3 m long flight path of GELINA
REFERENCE  (C,2007NICE,,91(#113),2007)
HISTORY    (20071005C)
ENDBIB
NOCOMMON
ENDSUBENT
SUBENT        2X002002   20071005
BIB
REACTION   (92-U-236(N,F),,SIG) 0.5 eV to 25 keV.
STATUS
ENDBIB
COMMON               2
EN-MIN     EN-MAX
EV         EV
  0.5        25.
ENDCOMMON
NODATA
ENDSUBENT
ENDENTRY
```