MyEnsdf:
Web Tool for ENSDF Evaluators

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Topics:

1. Processing user's data on Web-Server

- Concept
- MyENSDF - Web Tool for ENSDF Evaluators

2. MyENSDF programs and operations

- MyENSDF operations
- Login and input ENSDF file
- Programs and parameters
- NDSPUB in editing mode

3. Demo and discussion

- Examples of usage: running programs (+questions)
- Discussion: experience of usage, further needs
- MyEnsdf on nndcin in BNL and on www-nds
- Self-cleaning (squeeze temporary data)
- Temporary and permanent areas
- Users' privileges, administrating, continuing work (multiple entries)

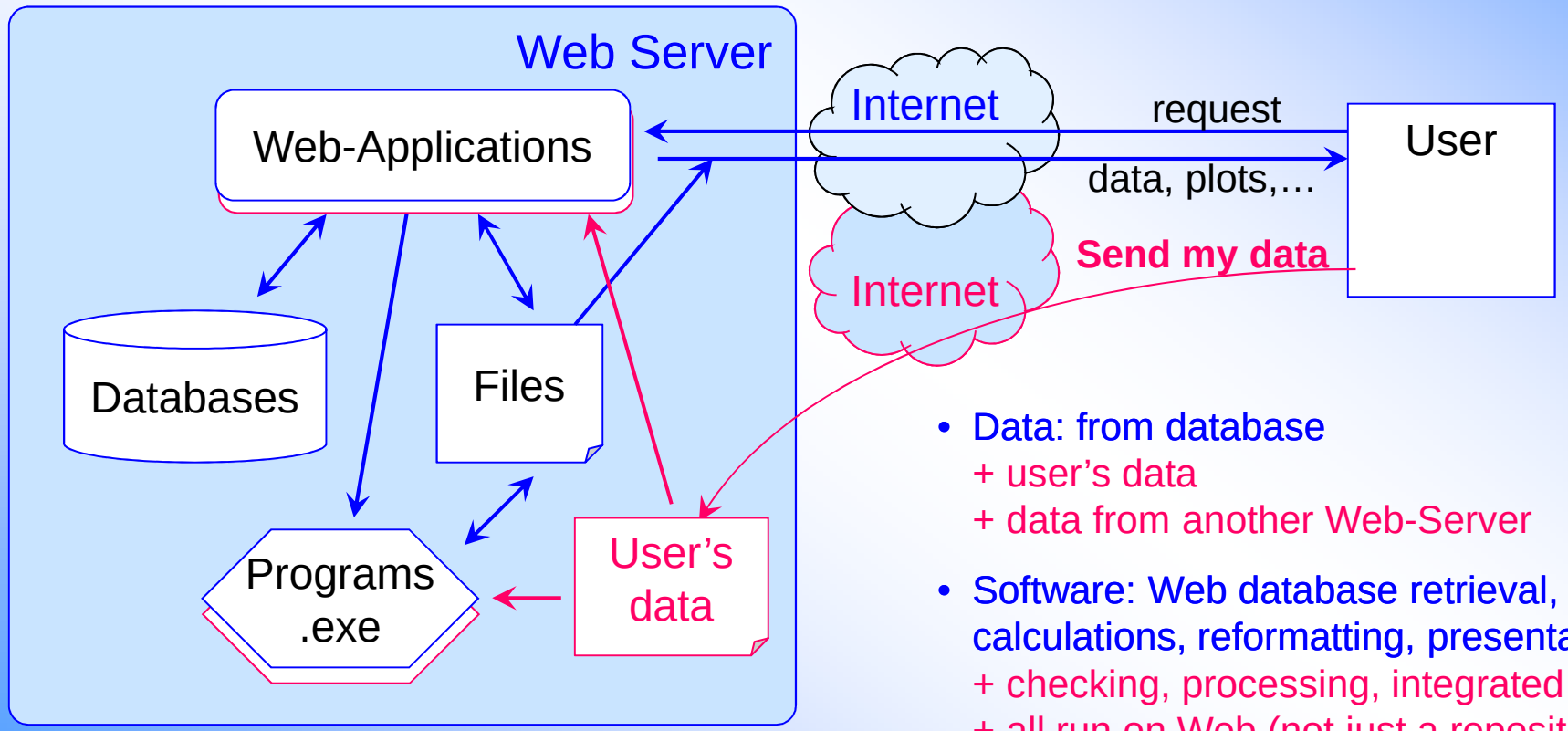
1. Processing user's data on Web-Server

Oriented to nuclear data professionals producing nuclear data

Modern definition: "Cloud computing" / "SaaS" = Software as a Service

Other types of cloud computing: IaaS (Infrastructure as a Service: disk space) and PaaS (Platform as a Service)

Structure and basic ideas

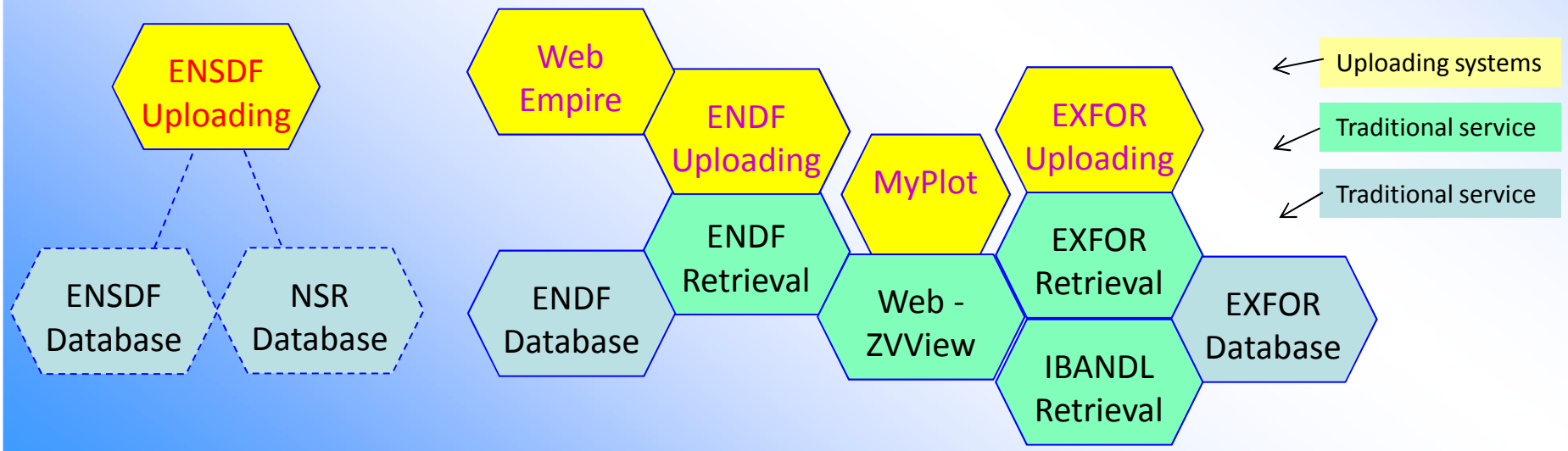


- Data: from database
  + user's data
  + data from another Web-Server
- Software: Web database retrieval, calculations, reformatting, presentation
  + checking, processing, integrated codes
  + all run on Web (not just a repository)
- User's data can be processed together with data from databases

Beyond traditional Nuclear Data Services we can offer Nuclear Data Software as a Service oriented to the nuclear data compilers and evaluators

NDS Web server applications

MyPlot	Plotting with Web-ZVView (2009)
MyEXFOR	Uploading System (2010-2014) Zchex, Zorder, Xtract, X4toc4; Web-EXFOR
MyENDF	Uploading System (2010-2015) Checkr, Fizcon, Stanef, Psyche, Inter, Prepro, Endver, Web-EXFOR-ENDF, Fudge, Grucon
EMPIRE-3.1	Web Interface to Empire /test-version/ (2013)
MyENSDF	Uploading System (2011-2015) Fmtchk, Gtol, Logft, Pandora, Ndspub, Radlst , BrICC, chk_ENSDF, Prepro



Web Server Applications: Summary

Advantages:

- User does not need software installation (only Web browser)
- Central maintenance of utilities (only one platform)
- It can implement specific operations connecting with central database and Web (e.g. search for duplications of EXFOR references, DOI checking,..)
- Convenient Web interface to old legacy codes (automatic connection input-output of programs)
- Comparison users' data with data from central databases

Disadvantages:

- User needs Internet (which can have problems)
- Adding new program: replace sequential dialogue by single input-form

Potential problems and limitations:

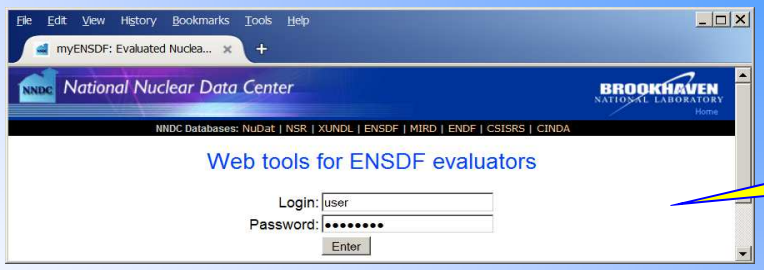
- Speed, resources on server computer system
- IT security (current solution: password protection)

MyENSDF programs and operations

Functionality (as of 2015):

- upload your ENSDF file and run remotely (Fortran, C) programs:
  - ENSDF analysis/utility codes:
    - FMTCHK /v-10.3a, 28-Sep-2007/
    - chk_ENSDF /v-0.4.7, 10-Apr-2014/
    - PREPRO /2014/
    - GTOL /v-7.2h, 24-May-2013/
    - LOGFT /v-7.2, 7-Feb-2001/
    - PANDORA /v-7.0b, 01-May-2007/
    - RADLST /v-5.5, 05-Oct-1988, input parameters: 2012/
    - BrIcc /v2.3b, 16-Dec-2014/
  - NDSPUB2: produces PS/PDF for Nuclear Data Sheets (connected to ENSDF and NSR relational databases)
- upload ENSDF file to ENSDF database, edit/upload NDSPUB-control file, produce final PS/PDF
- administrating users' files and working areas

Login and input ENSDF file



Login

Web tools for ENSDF evaluators

by V.Zerkin, IAEA-NDS, 2011-2015 (ver.2015-01-30)

Upload your ENSDF dataset and run remotely ENSDF codes:
FMTCHK, chk_ENSDF, PREPRO, GTOL, LOGFT, PANDORA, RADLST, BrIcc, NDSPUB

Evaluator: Viktor
Working area: 121 Session: 122
Use existing ENSDF file: Browse... No file selected. Submit Reset

or ENSDF text. Examples: text web-links: fmtchk.inp pandora.inp logft.inp gtol.inp radlst.inp 235U

```
184AU     184HG EC DECAY                  2005SA40,1994IB01,1978NE1010NDS    201002
184AU   H TYP=FUL$AUT=CORAL M. BAGLIN$CIT=NDS 111,275 (2010)$CUT=1-Oct-2009$
184AU D   PARENT T: 30.6 S 3 (1972Fi12), 30.9 S 3 (1994Wa23).
184AU2D   32.5 S 10 (1970Ha18); from 5535A(T).  32.0 S 10 (1969Ha03).
184AU3D   WEIGHTED AVERAGE: 30.87 S 26.
184AU c   Others: 1975Ho03, 1971Hu02, 1969Ha03 (observed 157|g and 237|g).
184AU c   2005Sa40: mass-separated {+184}Hg source from fragmentation of molten
184AU2c   Pb target by 600 MeV or 1 GeV protons; Ge(Li) and Si(Li) detectors,
184AU3c   high resolution 180|' magnetic spectrograph; measured E|g, I|g,
```

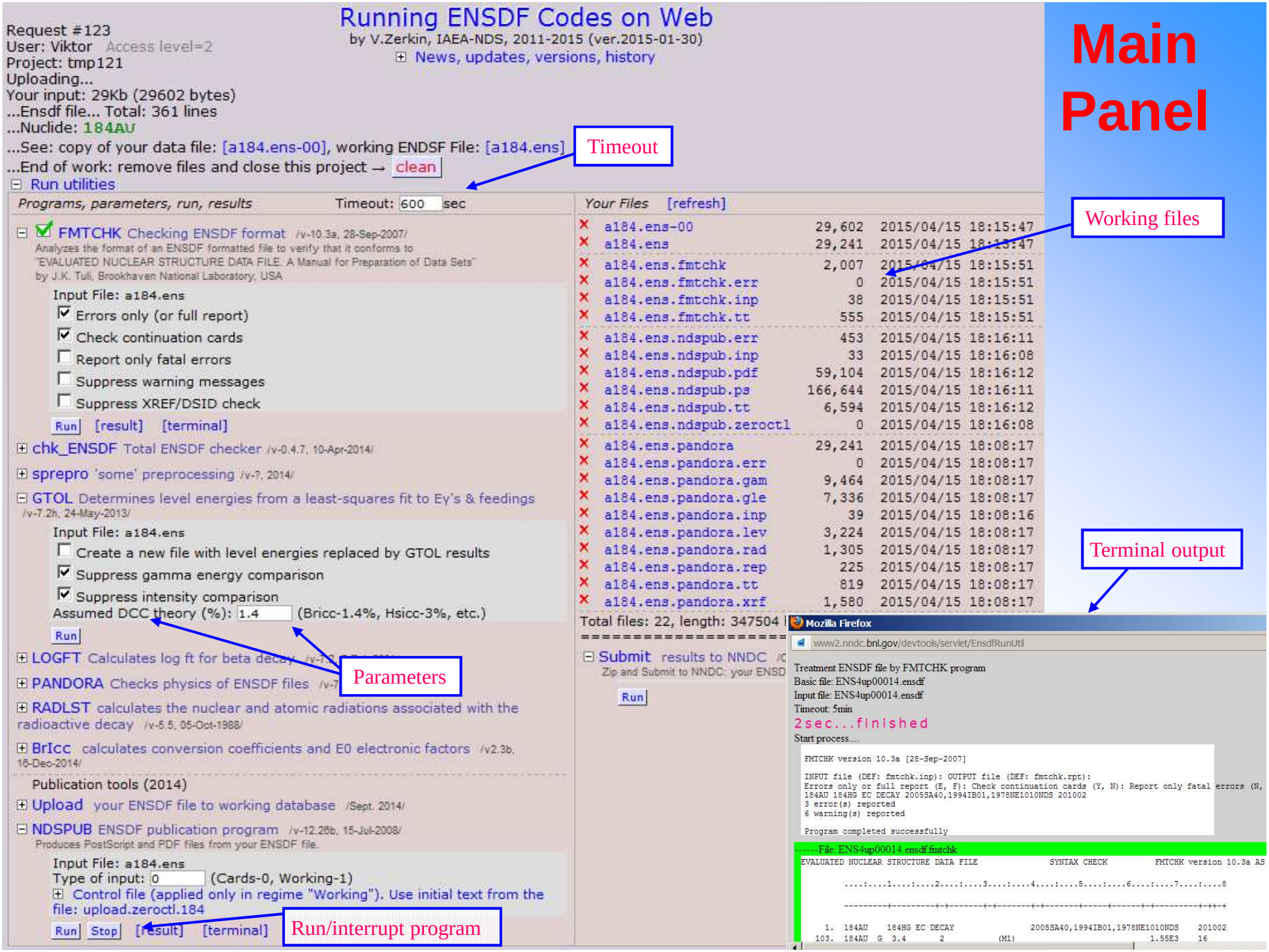
Your ENDSF data file or Web link

Login: Viktor 2015/04/15:17:55:41 161.5.149.47::Austria Access level=2

#	Area	ENSDF file	Files	Created	
1.1	tmp121 Viktor	a184.ens	2	2015/04/15 17:15:43 Viktor 161.5.149.47::Austria	continue

Continue your previous session

Web Design and Programming: Viktor Zerkin, NDS, International Atomic Energy Agency (V.Zerkin@iaea.org)
Last updated: 04/15/2015 17:55:48


Running ENSDF Codes on Web
by V.Zerkin, IAEA-NDS, 2011-2015 (ver.2015-01-30)
News, updates, versions, history
Request #123
User: Viktor Access level=2
Project: tmp121
Uploading...
Your input: 29Kb (29602 bytes)
...Ensdf file... Total: 361 lines
...Nuclide: 184AU
...See: copy of your data file: [a184.ens-00], working ENDSF File: [a184.ens]
...End of work: remove files and close this project → clean
Run utilities
Timeout
Main Panel
Working files
Terminal output
Parameters
Run/interrupt program
Programs, parameters, run, results
Timeout: 600 sec
FMTCHK Checking ENSDF format /v-10.3a, 28-Sep-2007/
Analyzes the format of an ENSDF formatted file to verify that it conforms to "EVALUATED NUCLEAR STRUCTURE DATA FILE. A Manual for Preparation of Data Sets" by J.K. Tuli, Brookhaven National Laboratory, USA
Input File: a184.ens
Errors only (or full report)
Check continuation cards
Report only fatal errors
Suppress warning messages
Suppress XREF/DSID check
Run [result] [terminal]
chk_ENSDF Total ENSDF checker /v-0.4.7, 10-Apr-2014/
sprepro 'some' preprocessing /v-?, 2014/
GTOL Determines level energies from a least-squares fit to Ey's & feedings /v-7.2h, 24-May-2013/
Input File: a184.ens
Create a new file with level energies replaced by GTOL results
Suppress gamma energy comparison
Suppress intensity comparison
Assumed DCC theory (%): 1.4 (Bricc-1.4%, Hsicc-3%, etc.)
Run
LOGFT Calculates log ft for beta decay
PANDORA Checks physics of ENSDF files
RADLST calculates the nuclear and atomic radiations associated with the radioactive decay /v-5.5, 05-Oct-1988/
BrIcc calculates conversion coefficients and E0 electronic factors /v2.3b, 16-Dec-2014/
Publication tools (2014)
Upload your ENSDF file to working database /Sept. 2014/
NDSPUB ENSDF publication program /v-12.26b, 15-Jul-2008/
Produces PostScript and PDF files from your ENSDF file
Input File: a184.ens
Type of input: 0 (Cards-0, Working-1)
Control file (applied only in regime "Working"). Use initial text from the file: upload.zeroctl.184
Run Stop [result] [terminal]
Your Files [refresh]
a184.ens-00 29,602 2015/04/15 18:15:47
a184.ens 29,241 2015/04/15 18:15:47
a184.ens.fmtchk 2,007 2015/04/15 18:15:51
a184.ens.fmtchk.err 0 2015/04/15 18:15:51
a184.ens.fmtchk.inp 38 2015/04/15 18:15:51
a184.ens.fmtchk.tt 555 2015/04/15 18:15:51
a184.ens.ndspub.err 453 2015/04/15 18:16:11
a184.ens.ndspub.inp 33 2015/04/15 18:16:08
a184.ens.ndspub.pdf 59,104 2015/04/15 18:16:12
a184.ens.ndspub.ps 166,644 2015/04/15 18:16:11
a184.ens.ndspub.tt 6,594 2015/04/15 18:16:12
a184.ens.ndspub.zeroctl 0 2015/04/15 18:16:08
a184.ens.pandora 29,241 2015/04/15 18:08:17
a184.ens.pandora.err 0 2015/04/15 18:08:17
a184.ens.pandora.gam 9,464 2015/04/15 18:08:17
a184.ens.pandora.gle 7,336 2015/04/15 18:08:17
a184.ens.pandora.inp 39 2015/04/15 18:08:16
a184.ens.pandora.lev 3,224 2015/04/15 18:08:17
a184.ens.pandora.rad 1,305 2015/04/15 18:08:17
a184.ens.pandora.rep 225 2015/04/15 18:08:17
a184.ens.pandora.tt 819 2015/04/15 18:08:17
a184.ens.pandora.xrf 1,580 2015/04/15 18:08:17
Total files: 22, length: 347504
Submit results to NNDC
Zip and Submit to NNDC: your ENSD
Run
Mozilla Firefox
www2.nndc.bnl.gov/devtools/servlet/EnsdfRunUtil
Treatment ENSDF file by FMTCHK program
Basic file: ENS4up00014.ensdf
Input file: ENS4up00014.ensdf
Timeout: 5min
2sec...finished
Start process....
FMTCHK version 10.3a [28-Sep-2007]
INPUT file (DEF: fmtchk.inp): OUTPUT file (DEF: fmtchk.rpt):
Errors only or full report (E, F): Check continuation cards (Y, N): Report only fatal errors (N,
184AU 184HG EC DECAY 2005SA40,1994IB01,1978NE1010NDS 201002
3 error(s) reported
6 warning(s) reported
Program completed successfully
-----File: ENS4up00014.ensdf.fmtchk
EVALUATED NUCLEAR STRUCTURE DATA FILE SYNTAX CHECK FMTCHK version 10.3a AS
1. 184AU 184HG EC DECAY 2005SA40,1994IB01,1978NE1010NDS 201002
103. 184AU G 3.4 2 (M1) 1.55E3 16

Programs and parameters

1) FMTCHK

FMTCHK Checking ENSDF format /v-10.3a, 28-Sep-2007/

Analyzes the format of an ENSDF formatted file to verify that it conforms to "EVALUATED NUCLEAR STRUCTURE DATA FILE. A Manual for Preparation of Data Sets" by J.K. Tuli, Brookhaven National Laboratory, USA

Input File: a184.ens

- [x] Errors only (or full report)
- [x] Check continuation cards
- [ ] Report only fatal errors
- [ ] Suppress warning messages
- [ ] Suppress XREF/DSID check

Run [result] [terminal]

- a184.ens.fmtchk
- a184.ens.fmtchk.err
- a184.ens.fmtchk.inp
- a184.ens.fmtchk.tt

2) chk_ENSDF

chk_ENSDF Total ENSDF checker /v-0.4.7, 10-Apr-2014/

Written by G. Shulyak, Petersburg Nuclear Physics Institute Nuclear Data Center, Russia, 1996-2014.
Analyzes the format of an ENSDF formatted file to verify that it conforms to"Evaluated Nuclear Structure Data File. A Manual for Preparation of Data Sets", BNL-NCS-51655-01/02-Rev

-w: [ ] suppress warning messages
-d: [ ] output level (default = 0)
-x: <=$~01deFGHlNpPruX values: [<=$~01deFGHlNpPruX] (see help below)

Short help from the program

```
-d level    - output level (default = 0)
-w          - no warning messages
-x flags    - suppress any messages
   <        - ignore 'value <= dvalue' message
   =        - ignore 'value == dvalue' message
   $        - ignore 'extra $' message
   ~        - ignore 'COND impossile with DVALUE' message
   0        - used '1' in comments as 1-st record of comments
   1        - suppress '1' in comments
   d        - suppress 'Invalid DATE' message
   e        - ignore empty field of E/DE
   F        - ignore 'undefined FLAG' message
   G        - ignore skipped uncertainty in '2 G': KC, LC, MC,...
   H        - ignore 'H'-record
   l        - ignore illegal record size
   N        - ignore 'Incompatible NUCID' message
   p        - suppress 'Invalid PUB' message
   P        - consider " PG " and " PL " as comment
   r        - suppress 'Src(Reaction)Dst' message
   u        - consider "?u  " as comment
   X        - ignore '2 L XREF=x(?)'
```

Run [result] [terminal]

- a184.ens.chk_ENSDF.err
- a184.ens.chk_ENSDF.inp
- a184.ens.chk_ENSDF.tt

Programs and parameters

3) PREPRO

⊟ **sprepro** 'some' preprocessing /v-?, 2014/

Input File: a184.ens

Run [result] [terminal]

- a184.ens.sprepro.chg
- a184.ens.sprepro.err
- a184.ens.sprepro.inp
- a184.ens.sprepro.new
- a184.ens.sprepro.tt

4) GTOL

⊟ **GTOL** Determines level energies from a least-squares fit to Eγ's & feedings
/v-7.2h, 24-May-2013/

Input File: a184.ens

☐ Create a new file with level energies replaced by GTOL results

☑ Suppress gamma energy comparison

☑ Suppress intensity comparison

Assumed DCC theory (%): 1.4 (Bricc-1.4%, Hsicc-3%, etc.)

Run [result] [terminal]

- a184.ens.gtol
- a184.ens.gtol.err
- a184.ens.gtol.inp
- a184.ens.gtol.tt

5) LOGFT

⊟ **LOGFT** Calculates log ft for beta decay /v-7.2, 7-Feb-2001/

This program calculates log ft for beta decay. It also calculates the partial capture fractions for electron capture, the electron capture to positron ratio for positron decay, and the average beta energies. It will do special calculations for first and second forbidden unique; All other categories are treated as allowed.

Input File: a184.ens

Run [result] [terminal]

- a184.ens.logft
- a184.ens.logft.dat
- a184.ens.logft.err
- a184.ens.logft.inp
- a184.ens.logft.rpt
- a184.ens.logft.tt

6) PANDORA

⊟ **PANDORA** Checks physics of ENSDF files /v-7.0b, 01-May-2007/

Provides the physics checks for an ENSDF file

Input File: a184.ens

☑ Level report and file sorted

☑ Gamma report and files sorted

☑ Radiation report and files sorted

☑ Cross-reference output

☐ Suppress warning messages

Run

- a184.ens.pandora
- a184.ens.pandora.err
- a184.ens.pandora.gam
- a184.ens.pandora.gle
- a184.ens.pandora.inp
- a184.ens.pandora.lev
- a184.ens.pandora.rad
- a184.ens.pandora.rep
- a184.ens.pandora.tt
- a184.ens.pandora.xrf

Programs and parameters

7) RADLST

⊟ RADLST calculates the nuclear and atomic radiations associated with the radioactive decay /v-5.5, 05-Oct-1988/

The program RADLST (Radiation Listing) is designed to calculate the nuclear and atomic radiations associated with the radioactive decay of nucley. It uses as its primary input nuclear decay data in the ENSDF format. By T.W.Burrows Brookhaven National Laboratory. See [manual]

Input File: a184.ens

- ☑ Output Radiation Listing
- ☑ Output ENDF-like File
- ☑ Output File For Nudat
- ☑ Output Mird Listing
- ☑ Calculate Continua
  - ☐ Calculate Bremsstrahlung

Run [result] [terminal]

- a184.ens.radlst.ENDF.RAW
- a184.ens.radlst.ENSDF.RPT
- a184.ens.radlst.err
- a184.ens.radlst.inp
- a184.ens.radlst.NUDAT.OUT
- a184.ens.radlst.RADLST.INP
- a184.ens.radlst.RADLST.RPT
- a184.ens.radlst.tt

8) BrIcc

⊟ BrIcc calculates conversion coefficients and E0 electronic factors /v2.3b, 16-Dec-2014/

BrIcc v2.3b (16-Dec-2014) calculates conversion coefficients (for electron conversion and pair production) and E0 electronic factors using cubic spline interpolation. See [manual]

Input File: a184.ens

- ☑ List conversion coefficients for all subshells
- ☑ Calculate conversion coefficients for all transitions

Lowest CC value to be put on G-card: 1e-4 (default 1.E-4)

Assumed value MR for E2/M1 transitions: 1 (default 1.)

Run [result] [terminal]

- a184.ens.bricc.BrIcc.lst
- a184.ens.bricc.Cards.mrg
- a184.ens.bricc.Cards.new
- a184.ens.bricc.Compar.lst
- a184.ens.bricc.err
- a184.ens.bricc.inp
- a184.ens.bricc.Out.ens
- a184.ens.bricc.tt

9) NSDPUB (type of input: “Cards”)

⊟ NDSPUB ENSDF publication program /v-12.26b, 15-Jul-2008/

Produces PostScript and PDF files from your ENSDF file.

Input File: a184.ens

Type of input: 0 (Cards-0, Working-1)

⊞ Control file (applied only in regime "Working"). Use initial text from the file: upload.zeroctl.184

Run [result] [terminal]

a184.ens.ndspub.err	453
a184.ens.ndspub.inp	33
a184.ens.ndspub.pdf	60,041
a184.ens.ndspub.ps	172,833
a184.ens.ndspub.tt	2,796
a184.ens.ndspub.zeroctl	0

$^{184}_{79}Au_{105}$

^{184}Hg ε Decay 2005Sa40,1994Ib01,1978Ne10

Parent ^{184}Hg: E=0.0; Jπ=0+; $T_{1/2}$=30.87 s *26*; Q(g.s.)=3970 *24*; %ε+%β+ decay=98.89 *6*.

Others: 1975Ho03, 1971Hu02, 1969Ha03 (observed 157γ and 237γ).

2005Sa40: mass–separated ^{184}Hg source from fragmentation of molten Pb target by 600 MeV or 1 GeV protons; Ge(Li) and Si(Li) detectors, high resolution 180° magnetic spectrograph; measured Eγ, Iγ, E(ce), I(ce). Additional sources from ^{148}Sm(^{40}Ar,X); planar Ge (FWHM=0.9 keV at 122 keV) for Eγ≤1 MeV; two HPGe detectors (FWHM ≈2.3 keV at 1.3 MeV) for Eγ≤1.3 MeV; measured x–γ–t and γ–γ–t events which were sorted to provide prompt–, total– and delayed–coincidence bidimensional matrices (60 ns or 100 ns time windows). Supersedes 2003IbZZ; see also 1994Ib01.

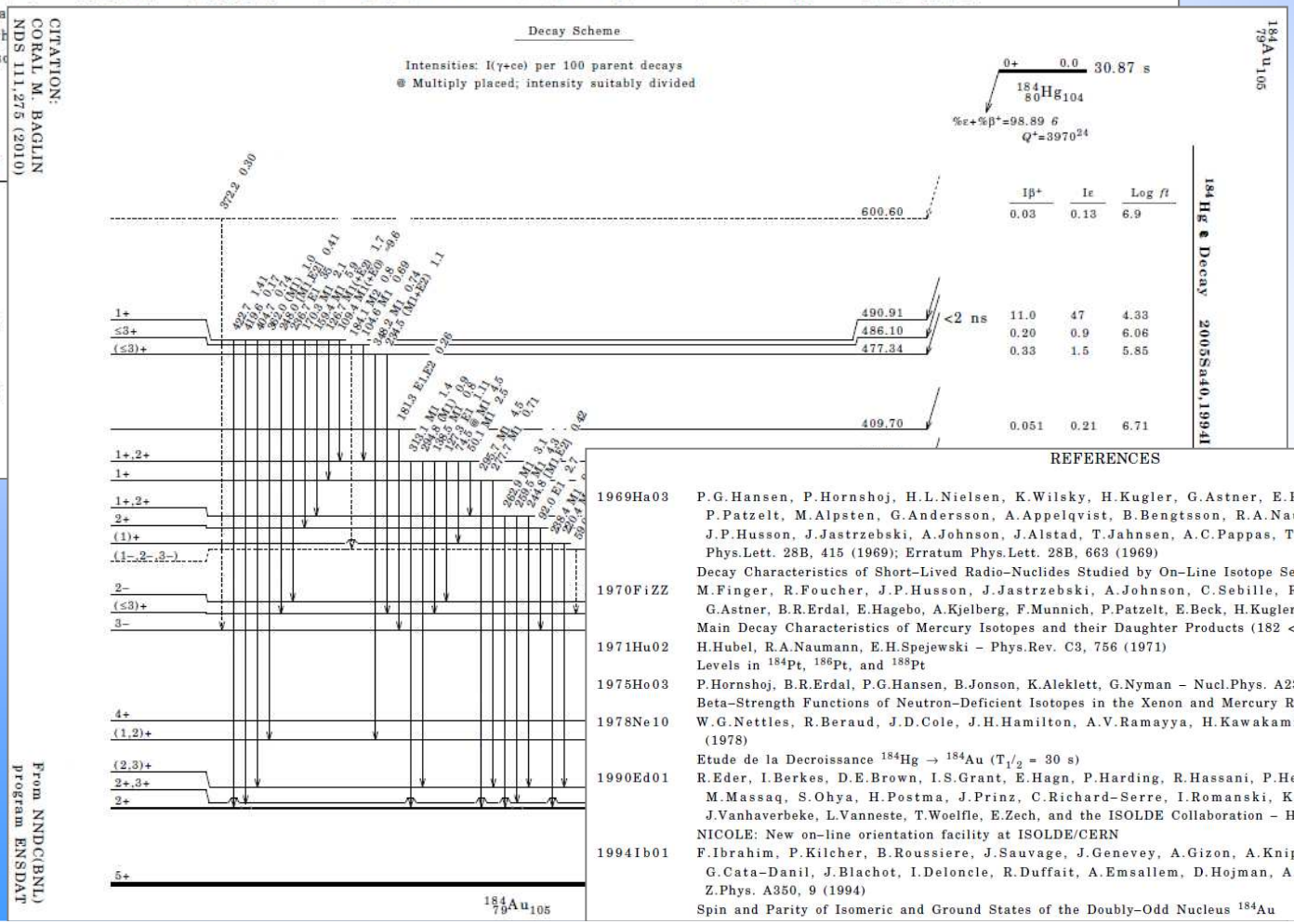
1994Ib01: mass separated source from bombardment of ^{148}Sm by 185 MeV ^{40}Ar ions; He–jet transport, iodine aerosol; two HPGe coaxial detectors, one HPGe x–ray detector; measured singles γ and x–ray spectra, γγ(t), x–γ(t). See also 1994RoZY.

1975Ho03: β strength function deduced from total–absorption γ measurement.

1978Ne10: Mass–separated source; measured Eγ, Iγ, γγ coin, γγ(t) (time resolution 6 ns *1*).

The decay scheme is adopted from 2005Sa40. It differs greatly from that proposed by 1978Ne10. Although Eγ and Iγ

E(level)†
0.0
68.46 *4*
71.87 *9*
86.50 *8*
129.13 *8*
146.50 *12*
228.40 *7*
242.87 *10*
254.26 *7*



REFERENCES

1969Ha03 P.G.Hansen, P.Hornshoj, H.L.Nielsen, K.Wilsky, H.Kugler, G.Astner, E.Hagebo, J.Hudis, A.Kjelberg, F.Munnich, P.Patzelt, M.Alpsten, G.Andersson, A.Appelqvist, B.Bengtsson, R.A.Naumann, O.B.Nielsen, E.Beck, R.Foucher, J.P.Husson, J.Jastrzebski, A.Johnson, J.Alstad, T.Jahnsen, A.C.Pappas, T.Tunaal, R.Henck, P.Siffert, G.Rudstam – Phys.Lett. 28B, 415 (1969); Erratum Phys.Lett. 28B, 663 (1969)
Decay Characteristics of Short–Lived Radio–Nuclides Studied by On–Line Isotope Separator Techniques

1970FiZZ M.Finger, R.Foucher, J.P.Husson, J.Jastrzebski, A.Johnson, C.Sebille, R.Henck, J.M.Kuchly, R.Regal, P.Siffert, G.Astner, B.R.Erdal, E.Hagebo, A.Kjelberg, F.Munnich, P.Patzelt, E.Beck, H.Kugler – CERN–70–29 (1970)
Main Decay Characteristics of Mercury Isotopes and their Daughter Products (182 < A < 192)

1971Hu02 H.Hubel, R.A.Naumann, E.H.Spejewski – Phys.Rev. C3, 756 (1971)
Levels in ^{184}Pt, ^{186}Pt, and ^{188}Pt

1975Ho03 P.Hornshoj, B.R.Erdal, P.G.Hansen, B.Jonson, K.Aleklett, G.Nyman – Nucl.Phys. A239, 15 (1975)
Beta–Strength Functions of Neutron–Deficient Isotopes in the Xenon and Mercury Regions

1978Ne10 W.G.Nettles, R.Beraud, J.D.Cole, J.H.Hamilton, A.V.Ramayya, H.Kawakami, E.H.Spejewski – J.Phys.(Paris) 39, 343 (1978)
Etude de la Decroissance ^{184}Hg → ^{184}Au ($T_{1/2}$ = 30 s)

1990Ed01 R.Eder, I.Berkes, D.E.Brown, I.S.Grant, E.Hagn, P.Harding, R.Hassani, P.Herzog, B.Kastelein, A.Knipper, G.Marguier, M.Massaq, S.Ohya, H.Postma, J.Prinz, C.Richard–Serre, I.Romanski, K.Schlosser, N.J.Stone, W.Vanderpoorten, J.Vanhaverbeke, L.Vanneste, T.Woelfle, E.Zech, and the ISOLDE Collaboration – Hyperfine Interactions 59, 83 (1990)
NICOLE: New on–line orientation facility at ISOLDE/CERN

1994Ib01 F.Ibrahim, P.Kilcher, B.Roussiere, J.Sauvage, J.Genevey, A.Gizon, A.Knipper, G.Marguier, D.Barneoud, R.Beraud, G.Cata–Danil, J.Blachot, I.Deloncle, R.Duffait, A.Emsallem, D.Hojman, A.J.Kreiner, F.Le Blanc, J.Libert, J.Oms – Z.Phys. A350, 9 (1994)
Spin and Parity of Isomeric and Ground States of the Doubly–Odd Nucleus ^{184}Au

NDSPUB result: PS, PDF

NDSPUB in editing mode

1-st step: Upload to “Working” database

Publication tools (2014)

Upload your ENSDF file to working database /Sept. 2014/

Note: needed only for advanced use of NDSPUB

Input File: a210.ens

☑ Run NDSPUB to create initial control file "upload.zeroctl.210"

1 Run [result] [terminal]

NDSPUB ENSDF publication program /v-12.26b, 15-Jul-2008/

a210.ens.upload.dsid.210	6,318
a210.ens.upload.eref.210	32,805
a210.ens.upload.err	767
a210.ens.upload.inp	33
a210.ens.upload.msg	7,355
a210.ens.upload.pdf	1,099,680
a210.ens.upload.ps	4,307,544
a210.ens.upload.tt	125,151
a210.ens.upload.zeroctl.210	14,947

Initial Control file

2-nd step: NDSPUB (type of input: “Working”)

Publication tools (2014)

Upload your ENSDF file to working database /Sept. 2014/

Note: needed only for advanced use of NDSPUB

Input File: a210.ens

☑ Run NDSPUB to create initial control file "upload.zeroctl.210"

Run [result] [terminal]

NDSPUB ENSDF publication program /v-12.26b, 15-Jul-2008/

Produces PostScript and PDF files from your ENSDF file.

Input File: a210.ens

Type of input: 1 (Cards-0, Working-1)

Control file (applied only in regime "Working"). Use initial text from the file: upload.zeroctl.210

Control file commands for NDSPUB: [help]

```
PUBLICATION /N:564/A:210
PAGE /S:0/N:567
210AU     ADOPTED
LEVELS
GENCOM
LEVEL
```

Copy/Paste/Edit Control file

2 Run [result] [terminal]

a210.ens.ndspub.err	453
a210.ens.ndspub.inp	48
a210.ens.ndspub.pdf	559,125
a210.ens.ndspub.ps	1,972,939
a210.ens.ndspub.tt	86,076
a210.ens.ndspub.zeroctl	14,938
a210.ens.upload.dsid.210	6,318
a210.ens.upload.eref.210	32,805
a210.ens.upload.err	767
a210.ens.upload.inp	33
a210.ens.upload.msg	7,355
a210.ens.upload.pdf	1,099,680
a210.ens.upload.ps	4,307,544
a210.ens.upload.tt	125,151
a210.ens.upload.zeroctl.210	14,947

Total files: 17, length: 9804721 bytes

==========

Submit results to NNDC /Oct-2014/

Zip and Submit to NNDC: your ENSDF file, NDSPUB Control and PDF

Run

NDSPUB in editing mode

3-rd step: Zip and Send result

Publication tools (2014)

Upload your ENSDF file to working database /Sept. 2014/
Note: needed only for advanced use of NDSPUB

Input File: a210.ens
☑ Run NDSPUB to create initial control file "upload.zeroctl.210"

Run [result] [terminal]

NDSPUB ENSDF publication program /v-12.26b, 15-Jul-2008/
Produces PostScript and PDF files from your ENSDF file.

Input File: a210.ens
Type of input: 1 (Cards-0, Working-1)
⊞ Control file (applied only in regime "Working"). Use initial text from the file: upload.zeroctl.210

a210.ens.ndspub.err	453
a210.ens.ndspub.inp	48
a210.ens.ndspub.pdf	559,125
a210.ens.ndspub.ps	1,972,939
a210.ens.ndspub.tt	86,076
a210.ens.ndspub.zeroctl	14,938
a210.ens.submit.txt	1,144
a210.ens.submit.zip	2,797,304
a210.ens.upload.dsid.210	6,318
a210.ens.upload.eref.210	32,805
a210.ens.upload.err	767
a210.ens.upload.inp	33
a210.ens.upload.msg	7,355
a210.ens.upload.pdf	1,099,680
a210.ens.upload.ps	4,307,544
a210.ens.upload.tt	125,151
a210.ens.upload.zeroctl.210	14,947

Total files: 19, length: 12603169 bytes
==========

Submit results to NNDC /Oct-2014/
Zip and Submit to NNDC: your ENSDF file, NDSPUB Control and PDF

Run [result] [terminal]

3

Draft e-mail with list of files

```
Dear Dr. J. Tuli,

The automated ENSDF system has sent you attached ENSDF files.

Archive:  a210.ens.submit.zip
  Length      Date    Time    Name
---------  ---------- -----   ----
   787968  2015-04-16 12:52   a210.ens
   788574  2015-04-16 12:52   a210.ens-00
      453  2015-04-16 13:00   a210.ens.ndspub.err
       48  2015-04-16 13:00   a210.ens.ndspub.inp
   559125  2015-04-16 13:00   a210.ens.ndspub.pdf
  1972939  2015-04-16 13:00   a210.ens.ndspub.ps
    86076  2015-04-16 13:00   a210.ens.ndspub.tt
    14938  2015-04-16 13:00   a210.ens.ndspub.zeroctl
     6318  2015-04-16 12:52   a210.ens.upload.dsid.210
    32805  2015-04-16 12:52   a210.ens.upload.eref.210
      767  2015-04-16 12:53   a210.ens.upload.err
       33  2015-04-16 12:52   a210.ens.upload.inp
     7355  2015-04-16 12:52   a210.ens.upload.msg
  1099680  2015-04-16 12:53   a210.ens.upload.pdf
  4307544  2015-04-16 12:53   a210.ens.upload.ps
   125151  2015-04-16 12:53   a210.ens.upload.tt
    14947  2015-04-16 12:53   a210.ens.upload.zeroctl.210
---------                     -------
  9804721                     17 files

Best regards,
Viktor (via MyENSDF)
```

Store all files on you PC using
< Mouse Right-button click>

Continue sessions, common data, administrating

Web tools for ENSDF evaluators

by V.Zerkin, IAEA-NDS, 2011-2015 (ver.2015-01-16)

Upload your ENSDF dataset and run remo
FMTCHK, chk_ENSDF, PREPRO, GTOL, LOGFT, PAND

Your name: admin
Working area: 307
Use existing ENSDF file: Choose File No file chosen
or ENSDF text. Examples: text web-links: fmtchk.inp pandora.inp
139

Login: admin 2015/04/17:02:56:19 161.5.6.220::Austria Access leve

#	Area	ENSDF file	Files	Created
1.1	tmp307 Grace	a139.ens	24	2015/04/15 08:16:29 Grac
2.1	tmp311 Grace	a209.ens	24	2015/04/16 12:50:18 Grac

Web Design and Programming: Viktor Zerkin, NDS, International Atomic Energy Age
Last updated: 04/17/2015 09:56:20

Running ENSDF Codes on Web

by V.Zerkin, IAEA-NDS, 2011-2015 (ver.2015-01-16)

⊞ News, updates, versions, history

Login: admin
Now: 2015/04/17 02:58:32

- 1) Area:tmp307 Files:24 Masses:1
  - 1) Mass:a139 Files:24 Grace 152.3.175.45::United States

a139.ens-00	1,562,028	2015/04/15	08:16:29
a139.ens	1,553,418	2015/04/15	08:16:29
a139.ens.fmtchk	111,666	2015/04/14	10:53:43
a139.ens.fmtchk.err	0	2015/04/14	10:53:43
a139.ens.fmtchk.inp	38	2015/04/14	10:53:43
a139.ens.fmtchk.tt	9,806	2015/04/14	10:53:43
a139.ens.fmtchk.tt1	9	2015/04/14	10:53:43
a139.ens.ndspub.err	33	2015/04/15	08:20:13
a139.ens.ndspub.inp	48	2015/04/15	08:18:47
a139.ens.ndspub.pdf	1,188,713	2015/04/15	08:20:31
a139.ens.ndspub.ps	4,410,625	2015/04/15	08:20:13
a139.ens.ndspub.tt	127,181	2015/04/15	08:20:31
a139.ens.ndspub.tt1	9	2015/04/15	08:20:13
a139.ens.ndspub.zeroctl	30,772	2015/04/15	08:18:47
a139.ens.upload.dsid.139	8,019	2015/04/15	08:16:45
a139.ens.upload.eref.139	30,375	2015/04/15	08:16:45
a139.ens.upload.err	67	2015/04/15	08:18:11
a139.ens.upload.inp	33	2015/04/15	08:16:45
a139.ens.upload.msg	10,198	2015/04/15	08:16:44
a139.ens.upload.pdf	2,382,979	2015/04/15	08:18:34
a139.ens.upload.ps	9,203,524	2015/04/15	08:18:11
a139.ens.upload.tt	232,244	2015/04/15	08:18:34
a139.ens.upload.tt1	9	2015/04/15	08:18:34
a139.ens.upload.zeroctl.139	30,329	2015/04/15	08:18:11

- 2) Area:tmp311 Files:24 Masses:1
  - 1) Mass:a209 Files:24 Grace 152.3.175.45::United States

- Logins

1)	2015/01/09,09:50:19 171	admin	130.199.210.35::United States
2)	2015/01/09,09:50:38 172	Zerkin	161.5.6.223::Austria
3)	2015/01/09,09:51:19 173	Zerkin	161.5.6.223::Austria

Data structures:

area/mass.program.files ~ dir/file

area: **tmp**<auto-sequential-number>

mass: **a**<mass-number-from-ENSDF-file>

Squeeze - recursive deleting users' areas/files:

- temporary areas: automatically - after 2 days
- permanent areas: automatically – never,
  remotely - by admin,
  locally - by authorized staff

User's responsibility: to store files on his/her PC.

Demo and discussion

1. Examples of usage: demo (running programs + questions)
2. Discussion: experience of usage, further needs
3. MyEnsdf on nndcin in BNL and on www-nds
4. Self-cleaning (squeeze temporary data)
5. Temporary and permanent areas
6. Privileged users, administrating, continuing work (multiple entries)

Thank you.