MyENSDF Webtool

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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

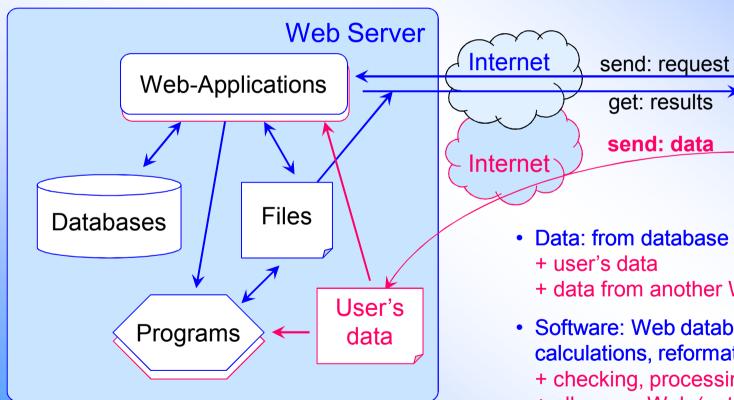
- Examples of usage: running programs (+questions)
- Discussion: experience of usage, further needs
- MyEnsdf on NDS, NNDC and Mirror-sites. Working without Internet.
- Self-cleaning (squeeze temporary data)
- Temporary and permanent areas
- Users' privileges, administrating, continuing work (multiple 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



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

- Data: from database
 - + data from another Web-Server
- Software: Web database retrieval, calculations, reformatting, presentation
 - + checking, processing, integrated codes

User

- + all run on Web (not just a repository)
- User's data can be processed together with data from databases

Our Web server applications

2009 MyPlot Plotting with Web-ZVView

2010 MyEXFOR EXFOR Uploading System for EXFOR compilers

ZCHEX, ZORDER, XTRACT, X4TOC4; Web-EXFOR

2015 MyENDF ENDF Uploading System

CHECKR, FIZCON, STANEF, PSYCHE, INTER, PREPRO, ENDVER, Web-EXFOR-ENDF, FUDGE, GRUCON

2011 MyENSDF ENSDF Uploading System

FMTCHK, chk ENSDF, PREPRO, XPQCHK, ALPHAD, GTOL, BrIcc, BrIccMixing, GABS, LOGFT,

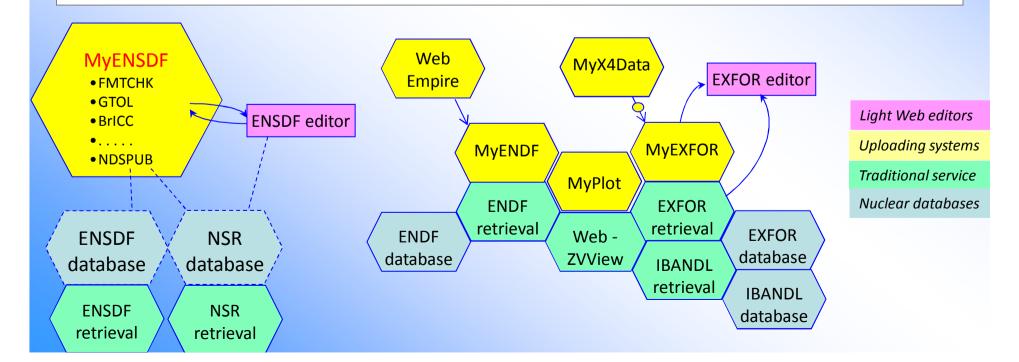
PANDORA, RADLST, RULER, NDSPUB, edit-NDSPUB,

Viewers: Ensdf+ and iTree, ENSDF Web-Editor

2013 WebEMPIRE Web Interface to Empire-3.1 /test-version/

2015 MyX4Data Uploading experimental data as text to EXFOR system for constructing covariance matrices,

plotting, inverse reaction calculations, etc.



Web Server Applications: Summary

Advantages:

- User does not need software installation (only Web browser)
- Central maintenance of utilities (only one platform on Web server)
- 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 or has problems with connection (possible solution: VM technology)
- Adding new program: replace sequential dialogue by single web input-form

Potential problems and limitations:

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

MyENSDF: programs and operations

Run remotely ENSDF analysis and utility codes:

```
- FMTCHK /10.3e+, 15-Dec-2015/
- chk_ENSDF /v-0.4.7, 10-Apr-2014/
- chk_PARENT /24-Jan-2009/
- chk_brackets /20-Apr-2012/
- PREPRO, XPQCHK /2014/
```

- ALPHAD /v-2.0a, 06-Nov-2006/
- Brlcc, BrlccMixing /v2.3b, 16-Dec-2014/
- GABS /v-11.0, 02-Apr-2015/
- 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, parameters: 2012/

- **RULER** /v-3.2d, 20-Jan-2009/

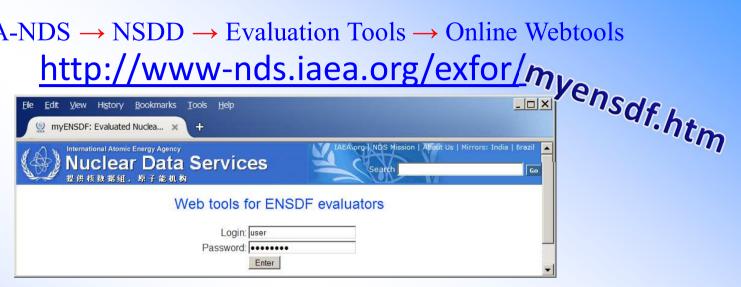
Run remotely <u>NDSPUB</u>:

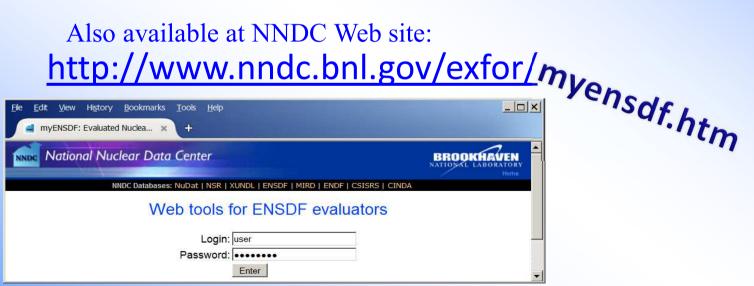
generates tables and drawings for Nuclear Data Sheets; allows editing control file for producing final PS/PDF; connected to NNDC relational databases: ENSDF and NSR

- Views: ensdf+ (interpreted "ENSDF cards"); ensdf± (interative tree)
- Light ENSDF Web editor
- Administrating users' files and working areas

Start MyENSDF

 $IAEA-NDS \rightarrow NSDD \rightarrow Evaluation Tools \rightarrow Online Webtools$





Request password by e-mail to NSDD co-ordinators

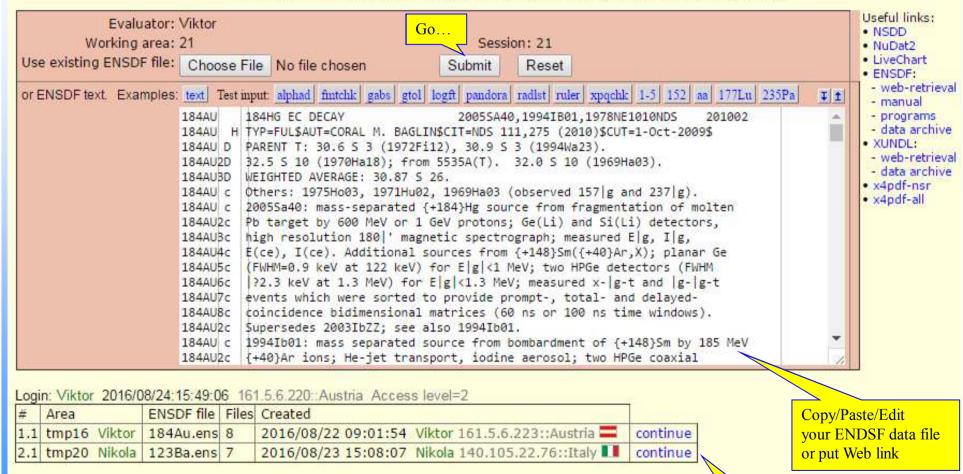
Input your ENSDF file

Web tools for ENSDF evaluators

by V.Zerkin, IAEA-NDS, 2011-2016, ver.2016-06-28







Web Design and Programming: Viktor Zerkin, NDS, International Atomic Energy Agency (V.Zerkin@laea.org) Last updated: 08/24/2016 17:49:40

Continue your previous session

Running ENSDF Codes on Web Request #10 Main User: Viktor Access level=2 by V.Zerkin, IAEA-NDS, 2011-2016 (ver.2016-08-25) Project: tmp2 ■ News, updates, versions, history Uploading... Your input: 29Kb (29602 bytes) ... Ensdf file... Total: 361 lines Call viewers and editor ...Nuclide: 184AU **Panel** ...See: your file: 184Au.ens-00, working file: 184Au.ens. ENSDF: text, ensdf+, ensdf+, edit ...End of work: remove files and close this project → clean Run utilities Programs, parameters, run, results Timeout: 600 Your Files [refresh] Sort by: [name] [extension] [length] [time] Checking and utility codes X 184Au.ens-00 29,602 2016/08/25 12:17:36 X 184Au.ens 29.241 2016/08/25 12:17:36 III # FMTCHK Checking ENSDF format /10.3e+, 15-Dec-2015/ × 184Au.ens.fmtchk 1,027 2016/08/25 1 Limeout (2) E chk ENSDF Total ENSDF checker /v-0.4.7, 10-Apr-2014/ Working files X 184Au.ens.fmtchk.err 0 2016/08/25 E PNPI checking codes (see [page]) × 184Au.ens.fmtchk.inp 2016/08/25 12:18:4 (3) E chk PARENT Checking PARENT-records in DECAY datasets /24-Jan-2009/ X 184Au.ens.fmtchk.tt 556 2016/08/25 12:18:46 X 184Au.ens.ndspub.err 33 2016/08/25 12:19:26 (4) E chk brackets Pair brackets checker from ENSDF-format files /20-Apr-2012/ X 184Au.ens.ndspub.inp 35 2016/08/25 12:19:24 (5) E SPREPRO 'some' preprocessing /2014/ × 184Au.ens.ndspub.pdf 60,159 2016/08/25 12:19:26 (8) * XPQCHK checks consistency of quantities given on p-card /2014/ X 184Au.ens.ndspub.ps 172.833 2016/08/25 12:19:26 × 184Au.ens.ndspub.tt 3.696 2016/08/25 12:19:26 Analysis codes × 184Au.ens.ndspub.zeroctl 0 2016/08/25 12:19:24 × 184Au.ens.pandora 29,241 2016/08/25 12:18:40 (8) # BrIcc calculates conversion coefficients and E0 electronic factors /v2.3b 16-Dec-2014/ × 184Au.ens.pandora.err 0 2016/08/25 12:18:40 × 184Au.ens.pandora.gam 9,464 2016/08/25 12:18:40 (9) E BriccMixing calculates Mixing Ratio (MR) and Normalization Factor (R) /v2.3b; 18-Dec-2014/ × 184Au.ens.pandora.gle 7,336 2016/08/25 12:18:40 (10) T GABS Gamma-ray absolute intensity and normalization calculation /v-11.0, 02-Apr-2015/ × 184Au.ens.pandora.inp 41 2016/08/25 12:18:40 (III) GTOL Determines level energies from a least-squares fit to EV's & feedings /v-7.2h, 24-May-2013/ X 184Au.ens.pandora.lev 3.224 2016/08/25 12:18:40 Input File: 184Au.ens × 184Au.ens.pandora.rad 1.305 2016/08/25 12:18:40 X 184Au.ens.pandora.rep 225 2016/08/25 12:18:40 Create a new file with level energies replaced by GTOL results × 184Au.ens.pandora.tt 819 2016/08/25 12:18:40 Suppress gamma energy comparison × 184Au.ens.pandora.xrf 1,580 2016/08/25 12: Suppress intensity comparison Total files: 22, length: 350457 bytes Terminal output Assumed DCC theory (%): 1.4 (Bricc-1.4%, Hsicc-3%, etc.) [clean] (19) E Submit results to NNDC /Oct-2014/ 7 in and Submit to NNDC your ENSDE file, NDSPUB Control and PDE files (12) ± LOGFT Calculates log ft for beta de Mozilla Firefox _ | (13) # PANDORA Checks physics of ENSDF files www2.nndc.bnl.gov/devtools/servlet/EnsdfRunUtil (14) # RADLST calculates the nuclear and atomic radiations associated with the radioactive decay /v-5.5 05-0ct-Treatment ENSDF file by FMTCHK program Basic file: ENS4up00014.ensdf Input file: ENS4up00014.ensdf (15) RULER Calculates reduced transition probabilities /v-3.26, 20-Jan-2009/ Timeout: 5min Publication tools 2sec...finished (16) E Upload your ENSDF file to working database /Sept 2014/ Start process.. FMTCHK version 10.3a [28-Sep-2007] (17) E NDSPUB ENSDF publication program /v-12.28b, 16-Jul-2008 Produces PostScript and PDF files from your ENSDF file. INFUT file (DEF: fmtchk.inp): OUTFUT file (DEF: fmtchk.rpt): Errors only or full report (E, F): Check continuation cards (Y, N): Report only fatal errors (N, Y): Suppress w 164AU 164AE OE DECAY 2005SA40,1994HB01,1979HB1010NDNS 2010F Run/interrupt program Input File: 184Au.ens 3 error(s) reported Type of input: 0 (Cards-0, Working-1) 6 warning(s) reported ☐ Control file (applied only in regime "Working"). Use initial text from the file: upload.zeroctl.184 Program completed successfully Control file commands for NDSPOB: [help] EVALUATED NUCLEAR STRUCTURE DATA FILE SYNTAX CHECK FMTCHK version 10.3a AS OF 28-Sep-200 Run Stop [result] [terminal] [clean] Save your files

1. 184AU 184HG EC DECAY

102 1947 0 2 4

2005SA40,1994IB01,1978NE1010NDS

(15) T ZIP Put all your files into ZIP archive /2015/

Programs and parameters

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

Errors only (or full report)

Check continuation cards

Report only fatal errors

Suppress warning messages

Suppress XREF/DSID check

Run [result] [terminal]
```

chk_ENSDF

```
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
             output level (default = 0)
  -x: <=$~01deFGHlNpPruX values: [<=$~01deFGHlNpPruX] (see help below)
  ■ Short help from the program
  -d level
             - output level (default = 0)
               - 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
               - used '1' in comments as 1-st record of comments
               - suppress '1' in comments
               - suppress 'Invalid DATE' message
               - ignore empty field of E/DE
               - ignore 'undefined FLAG' message
               - ignore skipped uncertainty in '2 G': KC, LC, MC,...
               - ignore 'H'-record
               - ignore illegal record size
               - ignore 'Incompatible NUCID' message
               - suppress 'Invalid PUB' message
               - consider " PG " and " PL " as comment
               - suppress 'Src(Reaction) Dst' message
               - consider "?u " as comment
               - ignore '2 L XREF=x(?)'
  Run [result] [terminal]
```

□ chk ENSDF Total ENSDF checker /v-0.4.7, 10-Apr-2014/

```
X a184.ens.chk_ENSDF.err
X a184.ens.chk_ENSDF.inp
X a184.ens.chk_ENSDF.tt
```

Programs and parameters

□ sprepro 'some' preprocessing /v-?, 2014/ a184.ens.sprepro.chg **PRFPRO** Input File: a184.ens a184.ens.sprepro.err a184.ens.sprepro.inp Run [result] [terminal] a184.ens.sprepro.new a184.ens.sprepro.tt **GTOL** □ GTOL Determines level energies from a least-squares fit to Ey's & feedings a184.ens.gtol /v-7.2h, 24-May-2013/ a184.ens.gtol.err Input File: a184.ens a184.ens.qtol.inp Create a new file with level energies replaced by GTOL results a184.ens.gtol.tt Suppress gamma energy comparison Suppress intensity comparison Assumed DCC theory (%): 1.4 (Bricc-1.4%, Hsicc-3%, etc.) Run [result] [terminal] **LOGFT** □ LOGFT Calculates log ft for beta decay /v-7.2, 7-Feb-2001/ a184.ens.logft This program calculates log ft for beta decay. It also calculates the partial capture fractions for electron X a184.ens.logft.dat capture, the electron capture to positron ratio for positron decay, and the average beta energies. It will do a184.ens.logft.err special calculations for first and second forbidden unique; All other categories are treated as allowed. a184.ens.logft.inp Input File: a184.ens a184.ens.logft.rpt Run [result] [terminal] a184.ens.logft.tt □ PANDORA Checks physics of ENSDF files /v-7.0b, 01-May-2007/ a184.ens.pandora **PANDORA** Provides the physics checks for an ENSDF file a184.ens.pandora.err Input File: a184.ens a184.ens.pandora.gam ✓ Level report and file sorted a184.ens.pandora.gle Gamma report and files sorted a184.ens.pandora.inp Radiation report and files sorted a184.ens.pandora.lev a184.ens.pandora.rad Cross-reference output a184.ens.pandora.rep Suppress warning messages a184.ens.pandora.tt Run a184.ens.pandora.xrf

Programs and parameters

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
```

RULER

```
RULER Calculates reduced transition probabilities /v-3.2d, 20-Jan-2009/
RULER (1984-2009) either calculates the reduced electromagnetic transition strengths and compares these to the Recommended Upper Limits (RUL) or calculates BEλW and BMλW for inclusion in ENSDF datasets. See [manual]

Input File: 184Au.ens

**Compare to RULs**

Calculate BEλW and BMλW

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

Run| [result] [terminal] [clean]
```

```
X 184Au.ens.ruler.err
X 184Au.ens.ruler.inp
X 184Au.ens.ruler.rpt
X 184Au.ens.ruler.tt
```

Brlcc

```
■ 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]
```

```
x 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
```

Wrapping program BrlccMixing

1974Ga01

BrlccMixing

■ BrIccMixing calculates Mixing Ratio (MR) and Normalization Factor (R) /v2.3b, 18-Dec-2014/
BrlccMixing v2.3b (by T.Kibedi, 2008-2014) determines Mixing Ratio (MR) and Normalization Factor (R) from
conversion electron data See [manual]

Input file: t	ype/paste/	edit text belo	w Se	ee how-to in: [manual]	Use example: [1] [2] [3]						
99TC G 140	.511 1	100	M1+E2	+0.13 4							
99Tc 140.511 1											
M1+E2 0.13	1.0										
# NsrKey	Shell	IccVal	Unc	Type							
1981Ge05	K	0.097	3	A							
1981Ge05	T	0.119	3	A							
1969Ag04	L1/L2	12	4	R							
1969Ag04	L1/L3	18	7	R							
1969Ag04	L2/L3	1.7	7	R							
1974Ga01	MR	+0.118	6	A							
Note. Results a	re collected in	the files *.htm a	and *.zvd								

X 184Au.ens.briccmixing.BrIccMixing.in
X 184Au.ens.briccmixing.BrIccMixing.lst
X 184Au.ens.briccmixing.BrIccMixing_01.dat
X 184Au.ens.briccmixing.BrIccMixing_01.plt
X 184Au.ens.briccmixing.err

× 184Au.ens.briccmixing.htm

X 184Au.ens.briccmixing.in X 184Au.ens.briccmixing.inp

× 184Au.ens.briccmixing.tt

×*184Au.ens.briccmixing.zvd

Run [result] [terminal] [clean]

Welcome to BrIccMixing on Web Run: 2016/08/25:12:49:53 - BrIccMixing Datasets + 1) 99TC G 140.511 1 100 M1+E2 +0.13 4 -| Select data for plotting [all] [none] Created by BriccMixing on Web 2016/08/25:12:49:53 ● 1) 9TC G 140.511 1 100 M1+E2 +0.13 4 Input: 184Au.ens.briccmixing.in 2) Use my data [example] See: plotted data (247Kb) 1010 1010 105 105 ArcTan(6) 0 Log: XY X Y Lin: XY X Y Auto-range: XY X Y Page: >> << Zoom: <> >< Grid: VH 0 V H Pts: Txt Box PL Print Repaint Legend Authors Info+ PostScript Manual options:[+] Clipboard: Copy Shift legend:x=0 y=0 Split:0 1:xy;2:y Plot data or ratio:0 0:data; 1:ratio to dataset-1; 2:ratio to 2-nd, etc.

Data for plotting: ZVD (213Kb), send to ZVView; download ZVView; upload and plot your ZVD file

Welcome to BrIccMixing on Web Run: 2016/08/25:12:49:53 99TC G 140.511 1 100 M1+E2 Transition: 140.511 (1) keV Adopted from fit: δ=0.122(+13-13); $\chi^2/v = 1.70E + 00$ Input data ------Experiment Shell NSRkev Icc(Unc) Icc(Unc) Type 1981Ge05 0.097(3) 0.0985(14) 1981Ge05 0.119(3) 0.1129(16) L1/L2 1969Ag04 12(4) 15.8(4) 1969Ag04 L1/L3 18(7) 31.3(7) R 1969Ag04 L2/L3 1.7(7)1.98(4)R

+0.118(6)

0.1218

Α

184Hg ε Decay 2005Sa40,1994Ib01,1978Ne10

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

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

2005Sa40: mass-separated ¹⁸⁴Hg 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 Εγ, Ιγ, Ε(ce), I(ce). Additional sources from ¹⁴⁸Sm(⁴⁰Ar,X); planar Ge (FWHM=0.9 keV at 122 keV) for Εγ≤1 MeV; two HPGe detectors (FWHM =2.3 keV at 1.3 MeV) for Εγ≤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.

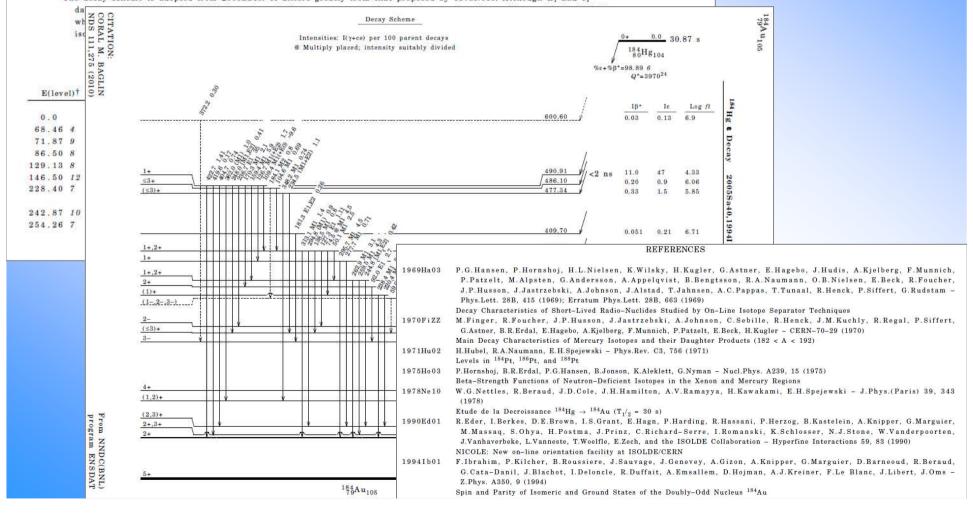
1994Ib01: mass separated source from bombardment of ¹⁴⁸Sm by 185 MeV ⁴⁰Ar ions; He-jet transport, iodine aerosol; two HPGe coaxial detectors, one HPGe x-ray detector; measured singles γ and x-ray spectra, γγ(t), x-γ(t). See also 1994RoZY.

1975HoO3: β strength function deduced from total-absorption γ measurement.

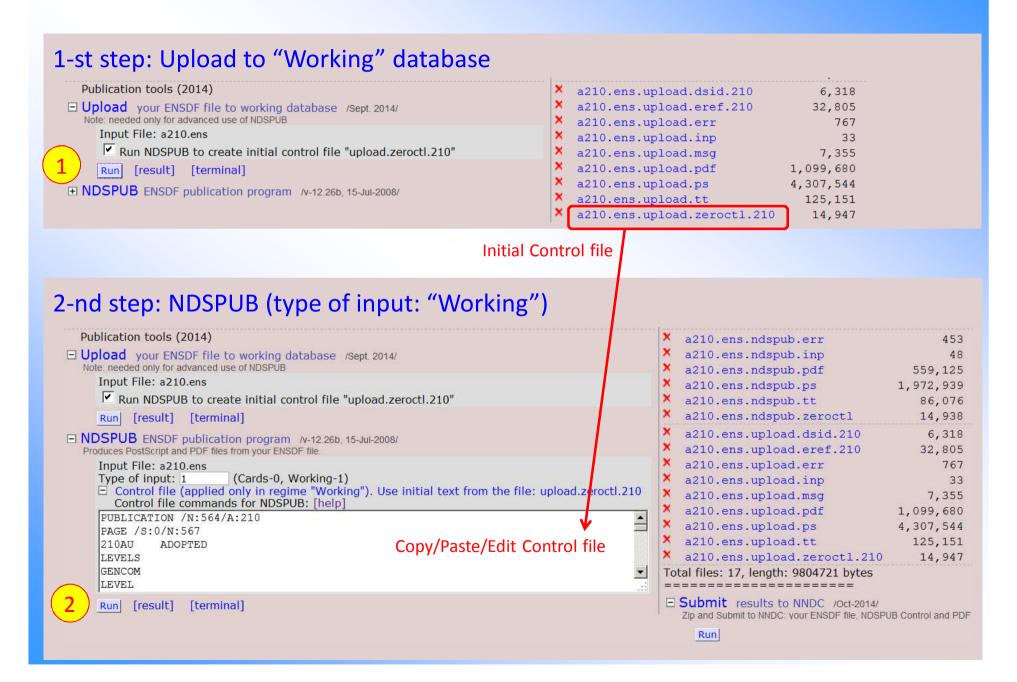
1978Ne10: Mass-separated source; measured Ey, Iy, yy coin, yy(t) (time resolution 6 ns 1).

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

NDSPUB result: PS, PDF



NDSPUB in editing mode



NDSPUB in editing mode

3-rd step: Zip and Send result

upload.zeroctl.210

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:

Draft e-mail with list of files

Dear Dr. J. Tuli,
The automated ENSDF system has sent you attached ENSDF files.

Archive: Length	a210.ens.sul Date		Name					
788574 453 453 1972939 86076 14938 6318 32805 767 33 7355 1099680 4307544 125151	2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16 2015-04-16	12:52 13:00 13:00 13:00 13:00 13:00 13:00 12:52 12:52 12:52 12:53 12:53 12:53	a210.ens a210.ens-00 a210.ens.ndspub.err a210.ens.ndspub.inp a210.ens.ndspub.pdf a210.ens.ndspub.ps a210.ens.ndspub.tt a210.ens.ndspub.tt a210.ens.upload.dsid.210 a210.ens.upload.eref.210 a210.ens.upload.err a210.ens.upload.err a210.ens.upload.finp a210.ens.upload.msg a210.ens.upload.msg a210.ens.upload.ps a210.ens.upload.ps a210.ens.upload.tt a210.ens.upload.tt a210.ens.upload.tt a210.ens.upload.tt					
Best regards, Viktor (via MyENSDF)								

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]

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

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

Data structures:

area/mass.program.files ~ dir/file

tmp<auto-sequential-number> area:

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

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.

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

a139.ens-00	1 562 028	2015/04/15	08 - 16 - 29
al39.ens		2015/04/15	
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 X
- 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

Demo and discussion

1. Examples of usage: demo (running programs + questions) 2. MyEnsdf on NDS, NNDC and Mirror-sites. Working without Internet. 3. Discussion: experience of usage; ☐ further needs; □ self-cleaning (squeeze temporary data); ☐ temporary and permanent areas; privileged users, administrating, continuing work (multiple entries)

Thank you.