**Nuclear Data Section**

**International Atomic Energy Agency**

**P.O.Box 100, A-1400 Vienna, Austria**

**Memo CP-D/1144**

**Date:** 31 August 2025

**To:** Distribution

**From:** N. Otsuka, A. Koning

**Subject: NRDC 2025 - Conclusions & Actions**

A draft of Conclusions & Actions of the NRDC 2025 meeting is appended to this memo. Changes from the version reviewed in the meeting are italicised. Please send me your comments (*e.g.*, actions fulfilled after the meeting) by 30 September if any.

**Major changes from the draft agreed in the meeting**

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|  |  | **Version reviewed in the meeting** | **Revision** |
| C5 |  | The statistics summarized in WP2025-04 shows a few centres almost stops compilation of new articles in the last several years. The network should pay closer attention to the progress in their compilation in the next NRDC meetings. | *“The network particularly expresses concern about delay in compilation of the data belonging to NEA DB and NDS’s responsibility.”* was added. This sentence was formulated and discussed in the meeting, but its conclusion is not clear from the meeting note. |
| C10 |  | The network encourages NDS to organize training opportunities such as EXFOR compiler’s workshop or consultancy visits. | “*(Note added after the meeting: IAEA and ICTP will organize “Workshop on Nuclear Reaction Data: Experiment and Compilation” in Autumn 2026.)*” was added at the end. |
| C15 |  | Prelim and Trans files submitted to the NDS open area can be edited only by the originating centre. | “*and Trans*” was deleted. (We should not edit a finalized file uploaded to the NDS open area!) |
| C17 |  | Multiple communication channels (GitLab, emails etc.) should be possible, preserved and publicly accessible from the central storage placed at NDS. Some centres (e.g., CNPD, CJD) have restriction for remote access to tools like Git systems, and emails are most suitable*.* | “*for communication between centres”* was added at the end. |
| C19 |  | KNDC will be responsible for scanning of NET*.* | “*(Nuclear Engineering and Technology)”* was added at the end. |
| C27 |  | Compilers should check if the DOIs are functional or not before their addition under REFERENCE (e.g., by using the REFDOI code of the ForEXy package), especially for YF and IZV as reported in CP-D/1121=WP2025-19…. | Reformulated to:  “Compilers should check if the DOIs *coded under REFERENCE* are functional or not (e.g., by using the REFDOI code of the ForEXy package), especially for YF and IZV as reported in CP-D/1121=WP2025-19. … |
| A14 | NDS | Export the EXFOR and NSR to the CINDA database, and distribute it to other Centres. | *“and distribute it to other Centres.*” was deleted. |

## 

**Conclusions and Actions of the NRDC 2025 Meeting**

**(Draft)**

**Conclusions**

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| **General** | |
| C1 | The next NRDC technical meeting will be held in Vienna, Austria from 2 to 5 June 2026. |
| C2 | The next NRDC Centre Head meeting will be held in Beijing, China in the second quarter of 2027. |
| C3 | The next EXFOR compilation workshop will be held in Vienna, Austria in the third quarter of 2026. |
| **EXFOR General** | |
| C4 | The number of articles waiting compilation increases last several years. Each centre should cheek X4CoCoS regularly and minimize delay in compilation. |
| C5 | The statistics summarized in WP2025-04 shows a few centres almost stops compilation of new articles in the last several years. *The network particularly expresses concern about delay in compilation of the data belonging to NEA DB and NDS’s responsibility.* The network should pay closer attention to the progress in their compilation in the next NRDC meetings. |
| C6 | The statistics summarized in WP2025-04 shows the number of newly published articles registered in X4CoCoS decreases last several years. NDS should allocate enough resources to ensure listing of all EXFORable articles. |
| C7 | Dissemination of EXFOR entries in preliminary transmission through retrieval systems is beneficial for end users as long as its status is clearly indicated. |
| C8 | Each centre should encourage the researchers of the service area submission of unpublished data for inclusion in EXFOR. |
| C9 | The network encourages NDS to allocating additional resources to solve delay in EXFOR compilation and journal scanning. |
| C10 | The network encourages NDS to organize training opportunities such as EXFOR compiler’s workshop or consultancy visits. *(Note added after the meeting: IAEA and ICTP will organize “Workshop on Nuclear Reaction Data: Experiment and Compilation” in Autumn 2026.)* |
| C11 | The network emphasizes necessity and importance of compilation work. The IAEA can send letters of support to several institutions where the centres are located. |
| C12 | Each centre should do more outreach activities to inform the broader scientific communities about value of the EXFOR library. |
| C13 | The centre responsible for the updating of the NRDC Protocol is NDS. *NDS should review it regularly.* |
| C14 | Revision of manuals (including Protocols) must be proposed by memos. |
| C15 | Prelim *~~and Trans~~* files submitted to the NDS open area can be edited only by the originating centre. |
| C16 | Comments on preliminary files must be publicly visible. |
| C17 | Multiple communication channels (GitLab, emails etc.) should be possible, preserved and publicly accessible from the central storage placed at NDS. Some centres (e.g., CNPD, CJD) have restriction for remote access to tools like Git systems, and emails are most suitable *for communication between centres.* |
| **EXFOR Statistics and Coverage** | |
| C18 | The Network released 393 new entries since the NRDC 2024 meeting (about 13 months) as reported in WP2025-02. |
| C19 | KNDC will be responsible for scanning of NET *(Nuclear Engineering and Technology).* |
| C20 | NNDC discontinues scanning of AJ/L (scanned till Vol. 958 No. 2, 2023) and AJ/S (scanned till Vol. 269 No.2, 2023). |
| C21 | NEA DB notified the network that PRELIM.2321, 2322, O099 and O100 were uploaded to the NDS open area for review by other centres. |
| **Manuals and Dictionary** | |
| C22 | The additional revisions to EXFOR Formats Manual (Chapters 1, 2 and 7) and EXFOR/CINDA Dictionary Manual summarized in CP-D/1136=WP2025-08 were approved. |
| C23 | The revision to LEXFOR “Transmission and reaction yield” proposed in CP-D/1137=WP2025-10 was approved. |
| C24 | The new dictionary for ISSN identifiers (Dictionary 44) proposed in CP-D/1120=WP2025-11 was approved. |
| C25 | Decision on the new particle code N2 (dineutron) proposed in WP2025-12 was postponed. |
| **EXFOR Compilation Needs** | |
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| **EXFOR Quality Control** | |
| C26 | The originating centre should keep the source documents (including emails) used in compilation in a storage to ensure future traceability. It would be better to deposit their copies to NDS to secure their availability in the network on a long-term basis. |
| C27 | Compilers should check if the DOIs *coded under REFERENCE* are functional or not *~~before their addition under REFERENCE~~* (e.g., by using the REFDOI code of the ForEXy package), especially for YF and IZV as reported in CP-D/1121=WP2025-19. If a DOI assigned by the publisher is not functional, the problem is mentioned in free text. |
| C28 | Covariances in parameters related with the covariances in the quantity of interest by the sandwich formula may be kept in free text under COVARIANCE as reported in CP-D/1129=WP2025-26. |
| C29 | Presence of an issue number in a code string of a journal article may disturb bibliography processing (e.g., mismatch with the metadata registered in CrossRef as reported in WP2025-20) and it is preferably omitted unless they are essential to identify the article as mentioned in the EXFOR Formats Manual Chapter 7. |
| C30 | Development of reaction specific EXFOR templates for various type of measurements may help collection of experimental description for compilation. (c.f. the template developed for time-of-flight measurements in IAEA meeting in 2013, INDC(NDS)-0647). |
| **EXFOR Coding Rule** | |
| C31 | Compilation of a quantity with zero incident energy without SF9=DERIV is legal for quantities which are defined at zero energy limit (e.g., scattering length, coherent and incoherent scattering cross sections) as introduced in CP-D/1126=WP2025-23. Note that neutron scattering cross section is a constant of the incident energy at very low energy. |
| C32 | The uncertainty digitized from an error bar cannot be zero. If the error bar is too short to be digitized, the situation may be recorded by inclusion of the digitization error under ERR-DIG. |
| C33 | The branch code M+ may be coded in REACTION SF5 only when the half-life of the metastable state is shorter than the half-life of the ground state as proposed in CP-D/1131=WP2025-27. |
| C34 | The format rule of EXP-YEAR proposed in CP-D/1133=WP2025-29 was not approved. If an experiment continued for two or more years, the first year is entered as coded information. |
| C35 | The rules for coding of spectrum averaged quantities proposed in CP-D/1138=WP2025-31 were approved. The representative energy of fast neutrons (FST) must be 500 keV rather than 400 keV. |
| **Tools for Compilation and Dissemination** | |
| C36 | The production of EXFOR Entry File and EXFOR Master File is now version controlled. |
| C37 | Comprehensive support of existing EXFOR dissemination capabilities is required by our users as stressed in Oscar Cabellos’s presentation. Attention should be paid to retrieval and plotting of all the information stored in EXFOR that goes well beyond cross sections. |

**Actions**

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| **General** | | |
| A1 | Koning Raj | (Continuing action) Send to Otsuka revised description of the centre in the Network Document (INDC(NDS)-0401). |
| **EXFOR Statistics and Coverage** | | |
| A2 | All | (Standing action) Give the highest priority to compilation of new articles. |
| A3 | All | (Standing action) Correct erroneous entries listed on the EXFOR Feedback List according to the indicated priorities. All urgent corrections must be done by the next meeting. |
| A4 | Otsuka | Develop a new document storage to preserve information on communication with the authors for each EXFOR entry. This storage would support text, word, EXCEL, pdf, emails, zip and images. |
| **Manuals and Dictionaries** | | |
| A5 | Otsuka | (Continuing action) Update Dictionaries every six months. |
| ~~A6~~ | ~~Otsuka~~ | ~~Revise LEXFOR for~~   1. ~~4C-3/0421 = WP2023-08 (Scattering)~~ 2. ~~4C-4/0233 = WP2023-31 (Fitting coefficients)~~ 3. ~~CP-D/1038 = WP2023-24 (Error)~~ 4. ~~CP-D/1055(Rev.) = WP2023-23 (Status)~~ 5. ~~CP-D/1072 = WP2023-29 (Production and emission cross sections)~~ 6. ~~CP-D/1076 = WP2023-30 (Activation)~~ 7. ~~CP-D/1110 (Rev.) = WP2024-12 (Fission yields)~~ 8. ~~CP-D/1111 (Rev.) = WP2024-13 (Partial reactions)~~ |
| ~~A7~~ | ~~Otsuka~~ | ~~Revise EXFOR/CINDA Dictionary Manual according to~~   1. ~~CP-D/1067 = WP2023-09 (Dictionary 227)~~ 2. ~~CP-D/1081 = WP2023-11 (full review)~~ 3. ~~CP-D/1092(Rev.) = WP2024-09 (Transmission dictionary)~~ 4. ~~CP-D/1105 = WP2024-10 (exclusion of full stop in headings and units)~~ 5. ~~CP-D/1109 = WP2024-11 (Internal numerical equivalent for Dict. 227, additional I7 field for 1000Z\*A.)~~ 6. ~~CP-D/1110 (Rev.) = WP2024-12 (Dict. 25 and 227)~~ |
| A6 | Otsuka | Revise EXFOR Formats Manual for   1. WP2025-09 (Covariance data format) 2. CP-D/1133=WP2025-29 (EXP-YEAR) |
| A7 | Otsuka | Revise LEXFOR for   1. CP-D/1137=WP2025-10 (Transmission and reaction yield) 2. CP-D/1131=WP2025-27 (Independent and cumulative data) 3. CP-D/1138=WP2025-31 (Spectrum average) |
| A8 | Otsuka | Revise EXFOR/CINDA Dictionary Manual according to   1. CP-D/1120=WP2025-11 (Dictionary 44) |
| A9 | Otsuka | Add Dictionary 44 to the EXFOR/CINDA dictionary as proposed in CP-D/1120=WP2025-11. |
| A10 | Otsuka | Add the following additional explanation on ERR-T in LEXFOR “Errors”: ERR-T provides the uncertainty propagated from the various partial uncertainties coded separately. But it does not always mean that all uncertainties recognized by the experimentalist are propagated. For example, the uncertainties in the timing parameters are usually not propagated to the total uncertainty in the activation cross section coded under ERR-T since their propagation is not trivial. Such uncertainties not propagated to the “total uncertainty” should be itemized in free text. |
| ~~A8~~ | ~~Otsuka~~ | ~~Revise the expansion of UCRL-TR- in Dictionary 6 (Reports) as proposed in CP-D/1083 = WP2024-07.~~ |
| A11 | Pritychenko | (Continuing action) Inform Otsuka which report codes starting from UCRL is also used for Lawrence Livermore National Laboratory reports. |
| ~~A10~~ | ~~Otsuka~~ | ~~Revise the internal numerical equivalent of Dictionary 209 (Compounds) as proposed in CP-D/1109 = WP2024-11.~~ |
| ~~A11~~ | ~~Otsuka~~ | ~~Add M+,SIG,,RAB in Dictionary 236 as proposed in CP-D/1110 = WP2024-26.~~ |
| A12 | Zerkin | List entries which are affected by the inconsistency in the covariance format description reported in WP2025-09. |
| A13 | Pritychenko | Consult with J. Kelley possible addition of a particle code for dineutron proposed in WP2025-12. |
| **CINDA** | | |
| A14 | NDS | (Continuing action) Export the EXFOR and NSR to the CINDA database*~~, and distribute it to other Centres~~.* |
| A15 | NNDC | (Continuing action) Create meta schema for bibliographic data encompassing CINDA, EXFOR, NSR, Atlas and ENSDF. Report to NRDC for next actions. |
| **EXFOR Compilation Needs**  **(**Underlined items are registered inthe Article Allocation List.) | | |
| A16 | Pritychenko, Sprenger | (Continuing action) Compile with priority the articles listed in WP2024-15 to respond to the individual requests from EXFOR users. |
| A17 | Pritychenko | (Continuing action) Compile with priority the neutron source spectra listed in CP-D/0700 (Rev.3). |
| ~~A16~~ | ~~Pritychenko~~ | ~~(Continuing action) Compile with priority R.G.Lanier+,R,UCAR-10062-89,71,1989 listed in CP-D/0725 Rev. (~WP2012-19).~~ |
| A18 | Pritychenko Nomura Taova | (Continuing action) Compile with priority the light charged-particle induced isotope production cross sections listed in CP-D/0757 = WP2013-12. |
| ~~A18~~ | ~~Pritychenko~~ | ~~(Continuing action) Compile with priority T.Mo+,J,NP/A,198,153,1972 listed in CP-D/0832 Rev.~~ |
| A19 | Pritychenko | (Continuing action) Compile with priority W.G. Alberts+,R,NUREG/CP-0029,433,1982 in CP-D/0838 = WP2014-21. |
| A20 | Pritychenko | (Continuing action) Compile A.R.Musgrove+,P,AAEC/PR-43-PD,39,1977=P,INDC(AUL)-27,39,1977 in 4C-3/0395 = WP2014-19. |
| ~~A21~~ | ~~Pritychenko~~ | ~~(Continuing action) Compile F. Bischoff,R,RPI-328-87,146,1966 listed in 4C-3/0404 = WP2016-19.~~ |
| ~~A22~~ | ~~Pritychenko~~ | ~~(Continuing action) Compile P.L.Reeder+,J,PR/C,15,2108,1977 listed in 4C-3/0410 = WP2018-20.~~ |
| A21 | Pritychenko | (Continuing action) Compile deuteron-induced reaction data compiled by the Frascati group and listed in CP-D/0758. |
| A22 | Pritychenko Sprenger | (Continuing action) Compile articles reporting experimental fission product yields and listed in CP-C/464, 465, 466 and CP-D/0979. Inform Devi if an article in the lists is not for EXFOR compilation. Transmit EXFOR entries relevant to these lists separately from other EXFOR entries. |
| A23 | Gritzay | (Continuing action) Compile data measured with filtered neutrons measured at the KINR research reactor with numerical neutron spectra. |
| A24 | Pritychenko | (Continuing action) Monitor availability of P.E. Koehler’s time-of-flight spectra on DVDs received from ORELA in 2015 for EXFOR compilation. |
| A25 | Pritychenko  Brown | (Continuing action) Perform EXFOR completeness checking for the list of articles (4C-3/0401, articles cited in S. Mughabghab’s “Atlas of Neutron Resonances”) to identify articles missing in EXFOR, and assign responsibility of compilation of the identified articles to centres by a memo. |
| **EXFOR Quality Control**  (Underlined items are registered in the EXFOR Feedback List.) | | |
| A26 | ~~Nomura Pritychenko~~ Sprenger ~~Taova~~ | (Continuing action) Resolve the duplications listed in WP2025-16 ~~WP2024-19~~. |
| A27 | Pritychenko | (Continuing action) Revise the datasets of neutron elastic scattering including inelastic scattering contribution as proposed in 4C-3/0420(Rev2). |
| ~~A30~~ | ~~Pritychenko~~ | ~~(Continuing action) Replace REACTION SF3=A with EL in C0753.002 (CP-D/0960 = WP2019-31).~~ |
| ~~A31~~ | ~~Pritychenko~~ | ~~(Continuing action) Revise entries involving several variable atomic and/or mass numbers listed in CP-D/0984 in WP2021-31.~~ |
| A28 | Pritychenko | (Continuing action) Revise DECAY-DATA and DECAY-MON records including EC (electron capture) listed in CP-D/0989 = WP2021-07. |
| ~~A33~~ | ~~Pritychenko~~ | ~~(Continuing action) Replace EL and INL in REACTION SF3 of 12373.008 with SCT (Memo CP-D/0991 = WP2021-26).~~ |
| A29 | Nomura | (Continuing action) Revise entries involving isomers of Nb-102, Tc-102, Rh-108, Sb-128 and Sb-132 according to Appendix of Memo CP-D/1009 (Rev.) = WP2021-28. |
| ~~A35~~ | ~~Pritychenko Nomura~~ | ~~(Continuing action) Revise REACTION SF3 and SF7 listed in Appendices 1, 2 and 3 of CP-D/1014 = WP2021-10 (Combination of particle codes and their order in REACTION SF7).~~ |
| A30 | Pritychenko | (Continuing action) Replace X with an appropriate code or code combination REACTION SF3 of entries listed in CP-D/1017 = WP2022-24. |
| A31 | Pritychenko | (Continuing action) Replace TABLE with SCSRS or update the free text unless the numerical data are published in source articles as listed in CP-D/1041 = WP2022-27. |
| A32 | Pritychenko Nomura | (Continuing action) Revise entries relevant to assessment of suspicious E-LVL values as listed in CP-D/1043 = WP2022-26. |
| A33 | Pritychenko Nomura | (Continuing action) Correct the isomeric flags in REACTION and DECAY-DATA listed in CP-D/1052Rev. = WP2023-19. |
| A34 | Pritychenko Sprenger | (Continuing action) Resolve with priority the repetition of data headings listed in CP-D/1070 = WP2023-20. |
| A35 | Pritychenko | (Continuing action) Replace NO-DIM with the correct unit for the absolute eta values listed in CP-D/1082(Rev.) = WP2023-22. |
| A36 | Otsuka Sprenger | Revise the REACTION codes for Zr-89 production proposed as summarized in CP-D/1116=WP2025-18. |
| A37 | Otsuka Pritychenko Sprenger Taova Varlamov | Correct erroneous DOIs summarized in CP-D/1121=WP2025-19. |
| A38 | Nomura Otsuka Sprenger Pritychenko Taova Varlamov | Correct erroneous REFERENCE codes summarized in CP-D/1124=WP2025-20. |
| A39 | Nomura Otsuka Sprenger Pritychenko Taova | Correct format errors summarized in CP-D/1125=WP2025-21. |
| A40 | Otsuka Sprenger Pritychenko Taova | Correct errors relevant to zero values summarized in CP-D/1126=WP2025-23. |
| A41 | Otsuka | Correct errors relevant to zero values summarized in CP-D/1127=WP2025-24. |
| A42 | Pritychenko Sprenger | Cancel the REACTION sum for partial scattering summarized in CP-D/1130=WP2025-25 with priority. |
| A43 | Nomura Otsuka Pritychenko Sprenger Taova Wang | Add -G in REACTION SF4 for the datasets summarized in CP-D/1132=WP2025-28. (*These items must be registered in Feedback List.*) |
| A44 | Sprenger Pritychenko | (Continuing action) Consider addition of numerical data which are not superseded (SPSDD) and suitable for digitization, but still unobtainable (UNOBT) for neutron-induced reaction data published in old literature. |
| A45 | Sprenger | (Continuing action) Provide a report on mistakes in bibliographies and spells on each preliminary tape. |
| A46 | Pritychenko | (Continuing action) Revise EXFOR entries compiling data sets from ORELA 40 m flight station listed in the Appendix of 4C-3/407 = WP2017-30 by addition of   1. the corrigendum under REFERENCE of the common subentry, 2. STATUS=OUTDT to each data subentry with the correction factor in free text. |
| A47 | Soppera | (Continuing action) Provide JANIS Import Log created from the EXFOR Master File to Otsuka on a regular basis. |
| A48 | Otsuka | (Continuing action) Assess the JANIS Import Log provided by Soppera as above and register important errors to the EXFOR Feedback System. |
| ~~A47~~ | ~~Mikhailiukova Zerkin~~ | ~~Analyse the zero values coded under the headings PARITY, ERR-T and DATA-ERR in the EXFOR library as proposed in WP2024-22 (e.g., by X4Pro) under support of Zerkin.~~ |
| A49 | Nomura Pritychenko Sprenger Taova Varlamov Wang | Check the zero coded under ERR-T and DATA-ERR summarized in Tables 4 and 5 of 4C-4/0242=WP2025-22, and make necessary corrections. (This has been already done for area 3, D, G and V as summarized in WP2025-24). |
| A50 | Takacs Wang | Check if the italicized items in Tables 4 and 5 of CP-D/1127=WP2025-24 require corrections of the entries. |
| **EXFOR Coding Rule** | | |
| A51 | Varlamov ~~Otsuka~~ | (Continuing action) Review the usage of (G,TOT), (G,ABS), (G,SCT) and (G,N) for the cross sections declared as “absorption cross sections” or “total cross sections” by the authors. |
| **Tools for Compilation and Dissemination** | | |
| A52 | Sprenger | (Continuing action) Make available on the NEA Data Bank web site the EANDC and NEANDC reports compiled in EXFOR and not available as INDC reports. |
| A53 | Vrapcenjak | List the EANDC and NEANDC reports which are coded under REFERENCE but still missing in the NDS article collection. |
| A54 | Pikulina | (Continuing action) Continue development and testing of the EXFOR-Editor and InpGraph in cooperation with NDS and other data Centres. |
| A55 | All | (Continuing action) Provide Pikulina feedback on EXFOR-Editor and InpGraph. |
| A56 | Suzuki | (Continuing action) Continue development and testing of GSYS in cooperation with NDS and other centres. |
| A57 | All | (Continuing action) Provide Suzuki feedback on GSYS. |
| A58 | Soppera | (Continuing action) Continue development and testing of the JANIS TRANS Checker in cooperation with NDS and the other centres. |
| A59 | All | (Continuing action) Provide Soppera feedback on JANIS TRANS Checker. |
| A60 | Otsuka | (Continuing action) Provide EXFOR News every month and consider updates to the NRDC website. |
| A61 | Otsuka | (Continuing action) Support update of the Japanese editor (HENDEL) as time permits. |
| A62 | Zerkin | (Continuing action) Update ZCHEX based on comments from compilers. |
| A63 | All | (Continuing action) Provide feedback to NDS on the existing ZCHEX version (on bugs as well as desired additions.). Bugs must be reported with sample entries which are checked and not checked properly by ZCHEX. |
| A64 | Zerkin | (Continuing action) Develop and distribute the program package including a standalone platform independent program to generate X4+ from a standalone EXFOR entry. |
| A65 | All | (Continuing action) Consider using the X4+ format for author approval, and also send feedback to Zerkin. |
| A66 | Otsuka | (Continuing action) Produce: extended Dictionary 236, and X4Map after every database update. |
| A67 | Prtychenko | (Continuing action) Continue development of the additional database encompassing correction factors and relevant comments for suspect/erroneous data (X4-evaluated) presented in WP2010-19; keep NRDC informed about results, impact and usage statistics of the database. |
| A68 | Otsuka Zerkin | (Continuing action) Update of the X4Pro database. |
| A69 | ~~Jin Suzuki Pikulina~~ Zerkin | (Continuing action) Study problems in 2D calibration of original pictures, and process of approval of results of digitizing using plotting facilities. |
| A70 | Pritychenko Sprenger | (Continuing action) Finalize and submit EXFOR entries including covariance data provided by Zerkin (WP2017-Z3). |
| A71 | Pritychenko Zerkin | (Standing action) Provide NSR database to Dimitriou with the name aliases to improve the search of EXFOR entries by *author’s* name (WP2014-53). |
| A72 | Vrapcenjak Pritychenko | (Continuing action) Maintain and extend (as needed) the EXFOR-NSR PDF database. |
| A73 | Vrapcenjak | (Continuing action) Collect articles coded under REFERNECE of newly submitted preliminary tapes but missing in the NDS article collection. |
| A74 | All | (Continuing action) Collaborate with Vrapcenjak for collection of articles coded under REFERENCE and private communication relevant to newly submitted preliminary tapes but missing in the NDS article collection. |
| A75 | All | (Continuing action) Analyse X5 structure/hierarchy and contents, contact Zerkin with questions and proposals. |
| A76 | Zerkin | (Continuing action) Take into account proposals on structure of X4Pro and X5. |
| A77 | Otsuka | (Continuing action) Prepare EXFOR Master landing page(s). Landing page should include data license, corresponding EXFOR Dictionaries and links to documentation. |
| A78 | Otsuka Vrapcenjak | (Continuing action) Assign DOI to the landing page of the EXFOR Master File of the NRDC website for each version. |
| A79 | Otsuka | (Continuing action) Setup a website for distribution of a complete set EXFOR entry files synchronized with the NDS EXFOR web retrieval system. |
| A80 | All | (Continuing action) Consider ways of distribution of up-to-date EXFOR entry files through Git-based systems for discussion. |
| ~~A77~~ | ~~Pritychenko~~ | ~~Explore attending the American Physical Society Division of Nuclear Physics Meeting in October 2024, Boston to gather feedback on the utilization of EXFOR, preferred data formats and dissemination platforms.~~ |
| A81 | Pikulina | Investigate the way to capitalize the author’s family name coded with the reference type T (thesis) and W (private communication) in the second field of REFERENCE, fifth field of REL-REF, fourth field of MONIT-REF and fifth field of STATUS. |
| A82 | Zerkin | Investigate the way to check presence of zero under ERR-T and DATA-ERR by ZCHEX. |
| A83 | Nomura | Keep the NRDC updated for development of the J4 editor. |
| A84 | All | Investigate the way to insert ORCID as free text under AUTHOR. |
| A85 | Sprenger | Submit proposals on revision of the NRDC Protocol by a memo. |

**Distribution:**

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