



Russian Nuclear Data Center (CJD, IPPE, Obninsk, Russia)

Technical meeting on International Network of Nuclear
Reaction Data Centers

7-10 June 2016, Beijing, China

Staff

At present moment the number of CJD staff is 7 :

- ▶ 2 leader scientist
- ▶ 2 senior scientists
- ▶ 3 engineers



EXFOR compilation statistics

| Trans | Date | Entries total | Entries new | Entries revised | Subents total | Subents New in old+in new | Subents Revised (cor.+NOSUBENT) |
|-------|------------|---------------|-------------|-----------------|---------------|---------------------------|---------------------------------|
| 4168 | 12.05.2015 | 26 | 3 | 23 | 143 | 8+12=20 | 121+2=123 |
| 4169 | 10.08.2015 | 38 | 2 | 36 | 157 | 7+3=10 | 143+4=147 |
| 4170 | 13.11.2015 | 19 | 0 | 19 | 176 | 8+0=8 | 167+1=168 |
| 4171 | 16.11.2015 | 54 | 0 | 54 | 236 | 4+0=4 | 231+1=232 |
| 4172 | 16.02.2016 | 46 | 3 | 43 | 370 | 14+13=27 | 314+29=343 |
| 4173 | 10.03.2016 | 44 | 0 | 44 | 301 | 8+0=8 | 279+14=293 |
| Total | 6 files | 227 | 8 | 219 | 1383 | 49+28=77 | 1255+51=1306 |



Nuclear data evaluation activity

- ▶ New version of the evaluated neutron data library BROND-3.1 are compiled and includes 372 files for isotopes from hydrogen to curium and the incident neutron energies from the thermal one up to 20 MeV.
- ▶ The process of transferring BROND-3.1 to IAEA and OECD is in progress. BROND-3.1 will be also available on journal web-site “Yadernye Konstanty”.



Journal YK

- ▶ The journal “Yadernye Konstanty” will be continued to be published as online journal “Yadernye and reactornye konstanty” ("PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY. SERIES: NUCLEAR AND REACTOR CONSTANTS"). YK 1997 – 2016 issues are available to read from web-site <http://vant.ippe.ru/en/issues-archive.html>.
 - ▶ The journal is included in the Russian Science Citation Index and available on the sites of Russia's Scientific electronic library eLIBRARY.RU <http://elibrary.ru>.
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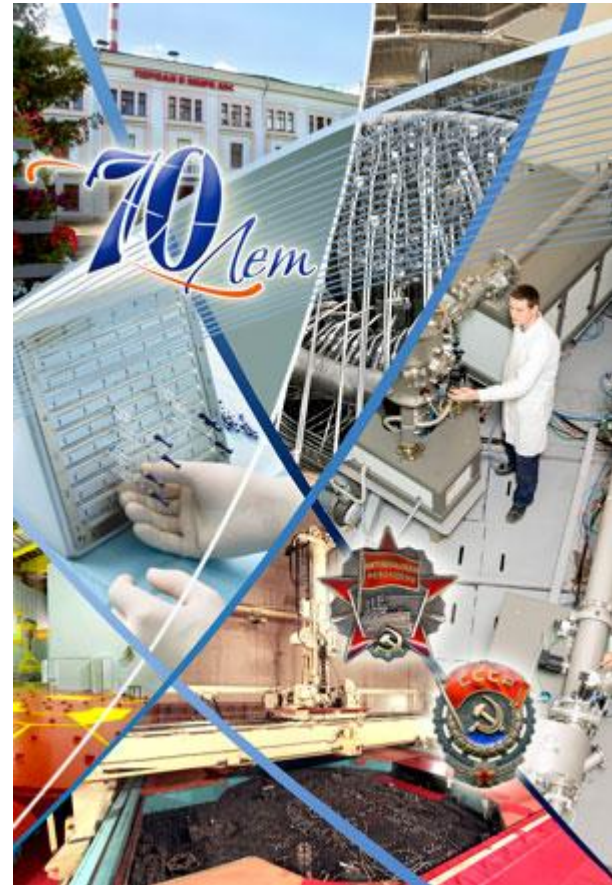
Publications

- ▶ O. Achakovskiy, A. Avdeenkov, S. Goriely, S. Kameardzhiev, S. Krewald and D. Voitenkov. Microscopic nature of the photon strength function: stable and unstable Ni and Sn isotopes // EPJ Web of Conferences 93, 01034 (2015).
- ▶ K. I. Zolotarev. Evaluation of $^{238}\text{U}(n,g)$ and $^{238}\text{U}(n,2n)$ Reaction Cross Sections, including Analysis of Microscopic and Integral Experimental Data // Report INDC(NDC)-0682, IAEA, Vienna, 2015, pp. 55-62.
- ▶ V.G. Pronyaev, A.I. Poltavchenko. Evaluation of the $^{209}\text{Bi}(n,xn)$, $x = 2, \dots, 10$ cross sections for high-energy neutron dosimetry // Report INDC(NDS)-0682, IAEA, Vienna, 2015, p. 71.



70 years of IPPE

was founded on May 31, 1946



Thank you for you attention

