

## Possible contribution of Institute of Nuclear Physics to EXFOR compilation

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The Institute of Nuclear Physics (INP) of the Ministry of Energy of the Republic of Kazakhstan, established in 1957, is a leading scientific organization in the Republic of Kazakhstan in the field of nuclear physics and solid state physics, radioecological research, nuclear and radiation technologies. INP has a major scientific-technological and production potential: 4 large base experimental facilities (nuclear reactor WWR-K, isochronous cyclotron U-150M, electrostatic accelerator UKP-2-1, industrial electron accelerator ELV-4), 22 scientific-research laboratories and scientific-technological center with advanced analytical and testing equipment.

Now interaction between Institute of Nuclear Physics and Nuclear Data Section is carried out in two main directions:

1. to provide the experimental numerical data newly published in scientific journals in timely manner
2. to provide access to reports published by Institute of Nuclear Physics

On the first point, research laboratories publish articles with experimental data in the journals which are traced by EXFOR. The statistics during last 5 years about INP articles from Thompson Reuter's base is given in table 1.

Table 1. The statistics during years 2011-2016 about INP articles from Thompson Reuter's base (the number of articles which were not included in EXFOR is indicated in parentheses)

2011	2012	2013	2014	2015
4(2)	3(2)	3	3(2)	5(2)

It should be noted, the data from 8 articles is absent in EXFOR till now.

On the second point, there was a request of doctor Otsuka according to the following data:

1. N.T.Burtebaev et al., *Izv. Akad. Nauk SSSR, Ser. Fiz.* **44**, 2426 (1980).
2. S.B.Dubovichenko et al., *Yad. Fiz.* **74**, 1013 (2011).
3. N.Burtebayev et al., *Proc. I. Eurasia Conf. Nucl. Sci. Appl.*, 23-27 Oct. 2000, Izmir, Turkey.

The requested data have been found and partially transferred for further preparation for EXFOR data base. Complexity was caused to find experimental data of article which was published in 1980. Fortunately, the author's experimental results have been found.

Especially it should be noted that all contacts with EXFOR go through Central Asian Nuclear Reaction Database