

## Compilation of experimental nuclear reaction data measured in Central Asia region

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The Kazakhstan team has been continuing to compile the nuclear reaction experiments from central Asia region to the EXFOR database. Since the previous Virtual Technical Meeting on NRDC 2021 (4-7 May 2021, Vienna, Austria), our compilation group has compiled 4 entries. The new EXFOR entries are shown in Table 1. Numerical data for all these entries are received from the authors.

Table 1. The new EXFOR entries since the previous Technical Meeting on NRDC 2021..

Entry	First author	Article	Accelerator Reaction
D8049	Y.Kucuk	J,EPJ/A,58,97,2022	U-150M (p,xp)
D8045	T.K.Zholdybayev	J,APP/BS,14,821,2021	U-150M (p,xp), (p,x $\alpha$ )
31847	F.Kh.Ergashev	J,APP/BS,14,849,2021	NG-150 (N,tot)
D8044 (on rev.)	A.Volya	J,PR/C,105,014614,2022	DC-60 (15N,alpha)

At the same time, there has been stable publication activity in the region in recent years in spite of Covid restrictions. This activity is associated with requirements for obtaining grant funding for scientific research. Also, the availability of such publications is necessary for PhD students. Total number of EXFOR entries created from the experiments performed in Kazakhstan and Uzbekistan are shown in Table 2.

Table 2. Total number of EXFOR entries created from the experiments performed in Kazakhstan and Uzbekistan

Year of compilation	2013	2014	2015	2016	2017	2018	2019	2020 2021	2022
Kazakhstan	4	4	5	6	5	4	6	10	4
Uzbekistan	2	4	0	0	1	0	0	4	0
Total	6	8	5	6	6	4	6	14	4

14 articles published are awaiting their compilation (See Table 3).

Table 3. Articles that have not yet been compiled in EXFOR

N	First author	Article
1	N.Burtebayev+	J,JP/CS,590,012056,2015
2	N.Burtebayev+	J,APP/B,48,495,2017
3	N.Burtebayev+	J,APP/B,50,1423,2019
4	N.Burtebayev+	J,APP/B,50,703,2019
5	N.Burtebayev+	J,IMP/E,28,1950028,2019
6	D.M.Janseitov+	J,APP/B,51,745,2020

7	M.Nassurlla+	J,APP/B,51,751,2020
8	N.Amangeldi+	J,APP/B,51,757,2020
9	N.Burtebayev+	J,JP/CS,1555,012028,2020
10	M.Nassurlla+	J,CPH/C,44,104103,2020
11	M.Nassurlla+	J,EPJ/A,57,231,2021
12	F.R. Egamova	J,APP/BS,14,727,2021
13	V.V.Dyachkov	J,APP/BS,14,811,2021
14	S.R.Palvanov	J,APP/BS,14,827,2021