



KAZAKH NATIONAL UNIVERSITY

Compilation activity in Central Asia (Central Asian Nuclear Reaction Database)

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6-9 May, 2014, Smolenice, Slovakia



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- **Introduction to our center**
- **Compiled papers**
- **Summary**

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OUR COLLABORATION WITH NRDC

1. 4th ANRDDW was held in Kazakhstan
2. Dr. N.Otsuka from the IAEA made EXFOR training

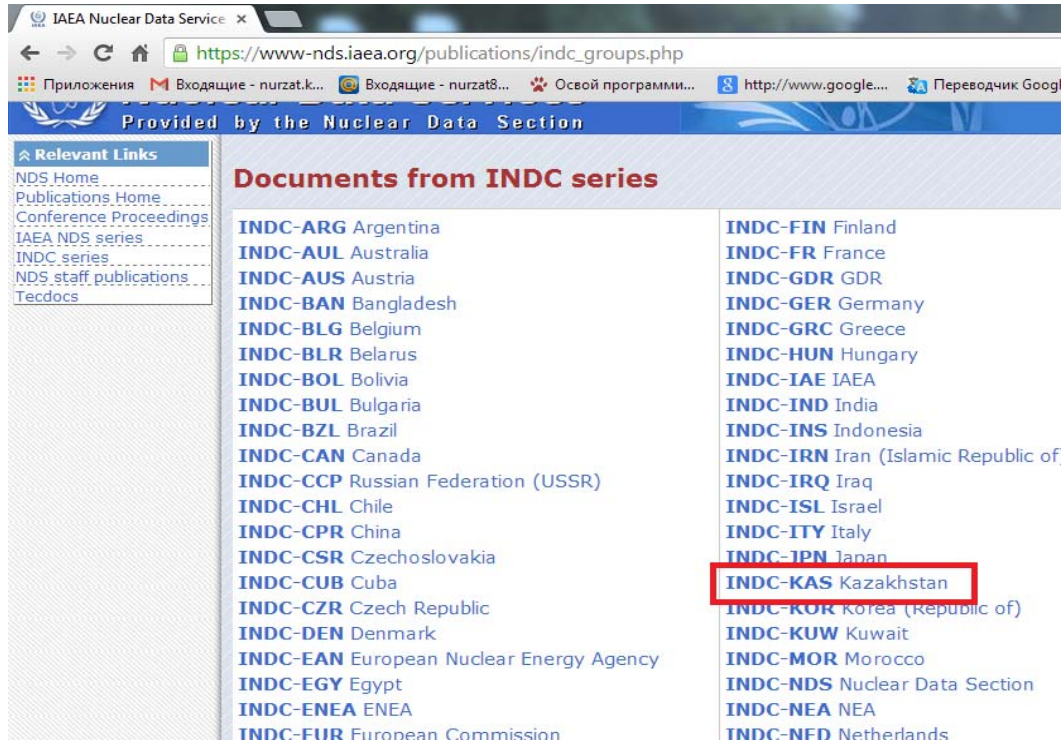


4TH ANRDDW in Almaty

Year	Place
2010	Sapporo, Japan
2011	Beijing, China
2012	Pohang, Korea
2013	Almaty, Kazakhstan
2014	India

INTRODUCTION TO OUR CENTER

OUR FIRST INDC REPORT



The screenshot shows the IAEA Nuclear Data Service website. The browser address bar displays the URL https://www.nds.iaea.org/publications/indc_groups.php. The page title is "IAEA Nuclear Data Service". The main content area is titled "Documents from INDC series" and lists various countries and their corresponding INDC codes. The list is organized into two columns. The first column includes: INDC-ARG (Argentina), INDC-AUL (Australia), INDC-AUS (Austria), INDC-BAN (Bangladesh), INDC-BLG (Belgium), INDC-BLR (Belarus), INDC-BOL (Bolivia), INDC-BUL (Bulgaria), INDC-BZL (Brazil), INDC-CAN (Canada), INDC-CCP (Russian Federation (USSR)), INDC-CHL (Chile), INDC-CPR (China), INDC-CSR (Czechoslovakia), INDC-CUB (Cuba), INDC-CZR (Czech Republic), INDC-DEN (Denmark), INDC-EAN (European Nuclear Energy Agency), INDC-EGY (Egypt), INDC-ENEA (ENEA), and INDC-FUR (European Commission). The second column includes: INDC-FIN (Finland), INDC-FR (France), INDC-GDR (GDR), INDC-GER (Germany), INDC-GRC (Greece), INDC-HUN (Hungary), INDC-IAE (IAEA), INDC-IND (India), INDC-INS (Indonesia), INDC-IRN (Iran (Islamic Republic of)), INDC-IRQ (Iraq), INDC-ISL (Israel), INDC-ITY (Italy), INDC-IPN (Japan), INDC-KAS (Kazakhstan), INDC-KOR (Korea (Republic of)), INDC-KUW (Kuwait), INDC-MOR (Morocco), INDC-NDS (Nuclear Data Section), INDC-NEA (NEA), and INDC-NFD (Netherlands). The "INDC-KAS Kazakhstan" entry is highlighted with a red rectangular box.



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INTRODUCTION TO OUR CENTER

To develop the nuclear data center in *Central Asia* is important

- We have good relation with Kazakhstan and Uzbekistan authors
- We can get all domestic papers from our national library

COMPILED PAPERS

9 papers and **21** data were compiled to EXFOR library
from October 2013

Compiled reaction types	Number of entries
gamma induced reactions	4
charge particle induced reactions	14
neutron induced reaction	3
Countries which paper authors from	Number of paper
Kazakhstan	4
Uzbekistan	5

COMPILED PAPERS

Entry #	First author	Article	Lab.	Status
31737	S.R.Palvanov	J,PAN,77,35,2014	4UZ UZB	PRELIM.3163
31738	Yu.N.Koblik	J,PAN,77,39,2014	4UZ UZB	PRELIM.3163
31741	G.A.Abdullaeva	J,NESE,3,72,2013	4UZ UZB	Compiled.
D0711	Sh.Hamada	J,PR/C,87,024311,2013	4KASKAZ	in EXFOR
D0712	N.Burtebayev	J,NP/A,909,20,2013	4KASKAZ	TRANS.D093
D0723	V.T.Gkadun	J,IZK,1980,(4),82,1980	4KASKAZ	in EXFOR
D0725	I.N.Khaustov	J,IZK,1990,(2),3,1990	4KASKAZ	in EXFOR
D0726	A.Vasidov	J,IZU,1981,(3),93,1981	4UZ UZB	in EXFOR
D0727	S.Muhammedov	J,IZU,1985,(5),81,1985	4UZ UZB	in EXFOR
D0728	V.V. Dyachkov	IET,56,521,2013	4KASKAZ	in EXFOR
G0041	S.R.Palvanov	J,PAN,77,35,2014	4UZ TSK	PRELIM.G029

FACILITIES

Many experiments were conducted in the research nuclear reactors and accelerators in **Almaty** and **Tashkent**

We have a good relation with some authors from Institute of nuclear physics of Almaty and Tashkent



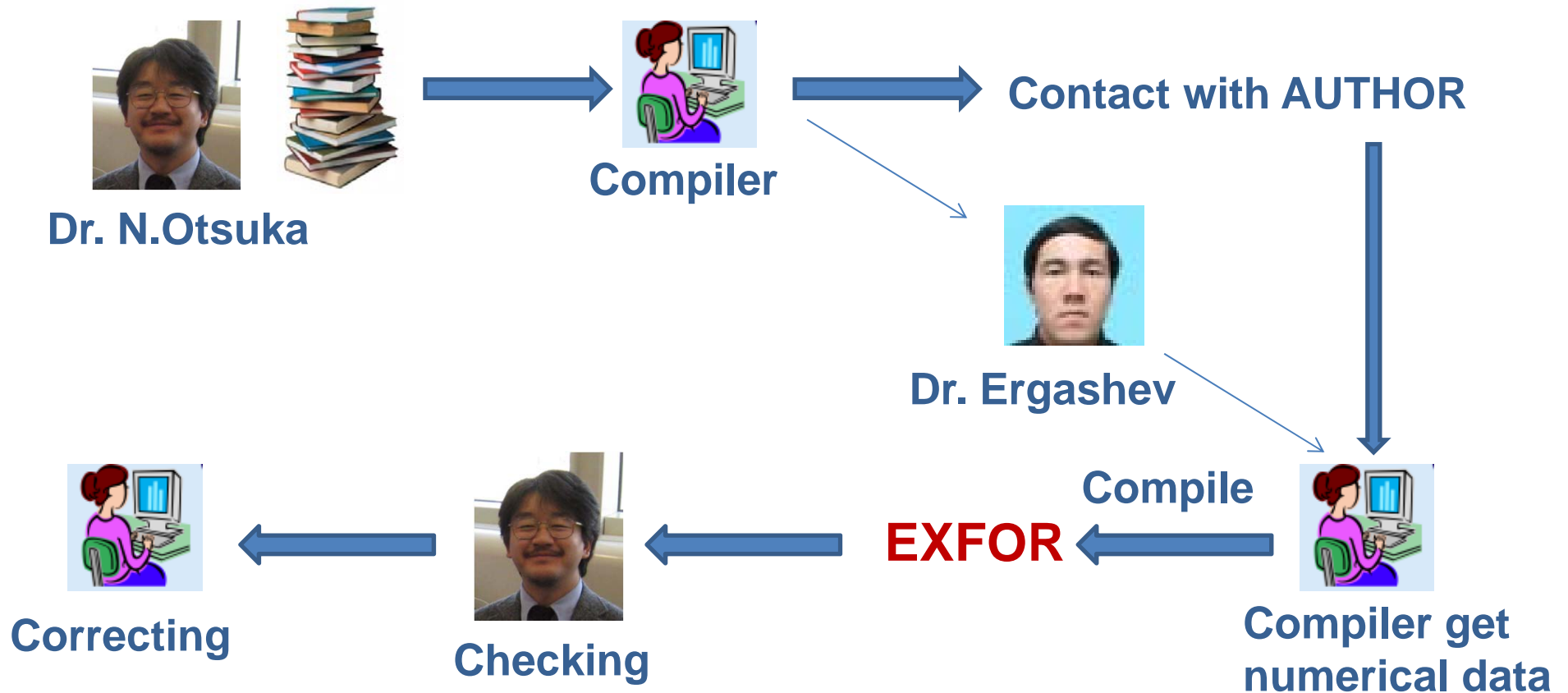
Almaty



Tashkent

HOW DO WE COMPILE

Dr. Otsuka always coordinates our group

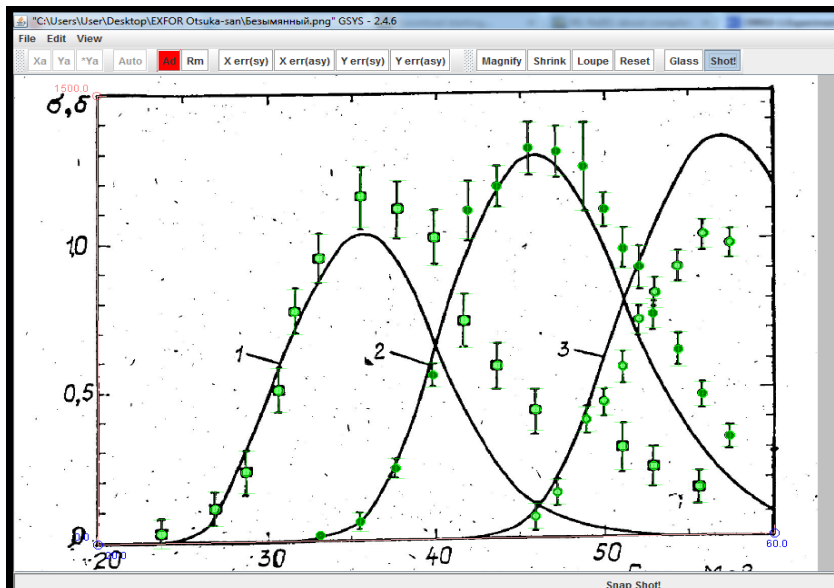


USED SOFTWARES TO COMPILE

Japanese softwares were used to compile.

To digitize the numerical datas → **GSYS**

To compile the paper → **HENDEL**



GSYS

The figure shows a screenshot of the HENDEL software interface. The main window displays a document titled "The excitation function and yields of isotopes of bismuth and lead in reaction ^{203}Tl with ^3He ion". The document includes author information: I. N. Khaustov¹, S. T. Tikhomirova¹, S. D. Beizi¹, and the affiliation: ¹Inst. Yaĭernoi Fiziki, Almaty. The software interface includes a menu bar (Edit, File) and a toolbar with buttons like Add, author(s), after, th, author, load. The document content is displayed in a text area.

HENDEL



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THANK YOU



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