

ACTIVITY of CAJAD
for the
IAEA Technical Meeting:
Vienna, Austria, 12-14 October 2005
S.Babykina
Nuclear Structure and Reaction Data Center,
Kurchatov's Institute,
Moscow

Our **Exfor activity** had two main direction-

1. **Compilation A -Library.**

After last meeting 2004 we prepared **A060 Trans file.** This Trans file contains astrophysical data, fission data, monitor reaction data. The files include new entries . Lately in Russia on account of decrease of interest to the nuclear physical investigations the number of publications sharp reduced.

2. **Team-work** with NEA DATA-BANK.

During 2004 year 100 Entries were prepared and included in O-library. These Entries contain mainly differential data for elastic and inelastic scattering and production cross section radioactive and stable isotopes. This work is orientated mainly for nuclear wastes transformation , medical applications and material analysis.

3. **Checking Codes.**

We use to check our TRANSES and ENTRIES two checking codes-
- our checking code
- CHEX

It is very useful, because the codes are not similar and different errors are finding.

4. According to the conclusion 16 last meeting EPJ/A and YF journals review was performed by CAJAD. The list of papers was send to NDS for following distribution between the responsible Centers. The list of papers for compilation from later numbers EPJ/A and YF represent right now.

Eur. Phys. J. A 25, supplement, 217-219 (2005) –for JCPRG-

Reaction cross-sections for stable nuclei and nucleon density distribution of proton drip-line nucleus B-8

M. Takechi^{1;a}, M. Fukuda¹, M. Mihara¹, T. Chinda¹, T. Matsumasa¹, H. Matsubara¹, Y. Nakashima¹, K. Matsuta¹, T. Minamisono², R. Koyama³, W. Shinosaki³, M. Takahashi³, A. Takizawa³, T. Ohtsubo³, T. Suzuki⁴, T. Izumikawa⁵, S. Momota⁶, K. Tanaka^{7;b}, T. Suda⁷, M. Sasaki⁸, S. Sato⁹, and A. Kitagawa⁹
¹ Department of Physics, Osaka University, Osaka 560-0043, Japan

Eur. Phys. J. A 25, supplement, 221-222 (2005) –for JCPRG

Nucleon density distribution of proton drip-line nucleus Ne-17

K. Tanaka^{1;a}, M. Fukuda¹, M. Mihara¹, M. Takechi¹, T. Chinda¹, T. Sumikama¹, S. Kudo¹, K. Matsuta¹, T. Minamisono¹, T. Suzuki^{2;b}, T. Ohtsubo², T. Izumikawa², S. Momota³, T. Yamaguchi^{4;b}, T. Onishi⁴, A. Ozawa^{4;c}, I. Tanihata⁴, and Zheng Tao⁴
¹ Department of Physics, Osaka University, 1-1 Machikaneyama, Toyonaka, Osaka 560-0043, Japan
² Department of Physics, Niigata University, Niigata 950-2181, Japan
³ Kochi University of Technology, Tosayamada, Kochi 782-8502, Japan
⁴ RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198, Japan

Eur. Phys. J. A 25, supplement, 255-258 (2005)—for JCPRG

First experiment of He-6 with a polarized proton target

M. Hatano^{1;2}, H. Sakai^{1;2;3;a}, T. Wakui³, T. Uesaka³, N. Aoi², Y. Ichikawa¹, T. Ikeda⁴, K. Itoh⁴, H. Iwasaki¹, T. Kawabata³, H. Kuboki¹, Y. Maeda¹, N. Matsui⁵, T. Ohnishi², T.K. Onishi¹, T. Saito¹, N. Sakamoto², M. Sasano¹, Y. Satou⁵, K. Sekiguchi², K. Suda³, A. Tamii⁶, Y. Yanagisawa², and K. Yakoi¹
¹ Department of Physics, University of Tokyo, Hongo 7-3-1, Bunkyo, Tokyo 113-0033, Japan
² RIKEN, Hirosawa 2-1, Wako, Saitama 351-0198, Japan

Eur. Phys. J. A 25, supplement, 645-646 (2005)—for NEADB+CAJAD

$^{12}\text{C} + ^{12}\text{C}$ cross-section measurements at low energies

L. Barrón-Palos^{1;a}, E. Chávez L.¹, A. Huerta H.¹, M.E. Ortiz¹, G. Murillo O.², E. Aguilera R.², E. Martínez Q.², E. Moreno², R. Policroniades R.², and A. Varela G.²
¹ Instituto de Física UNAM, Ap. Po. 20-364, Ciudad Universitaria, 01000 Mexico, D.F., Mexico
² Instituto Nacional de Investigaciones Nucleares, Departamento del Acelerador, Salazar, Edo. Mex., C.P. 52045, Mexico

Eur. Phys. J. A 25, n.2, 193-198 (2005) –for NEADB+CAJAD

Production cross-sections from neutron-deficient Mo-92 at 500 A MeV

B. Fernández-Domínguez^{1;a}, R.C. Lemmon², B. Blank³, M. Chartier¹, D. Cortina-Gil⁴, J.L. Durell⁵, H. Geissel⁶, J. Gerl⁶, S. Mandal⁶, F. Rejmund⁷, and K. Sümmerer⁶
¹ University of Liverpool, Oliver Lodge Laboratory, Physics Department, Oxford Street, Liverpool L69 7ZE, UK
² CLRC, Daresbury Laboratory, Daresbury, Warrington, WA4 4AD, UK
³ CENBG, Le Haut Vigneau, F-33175 Gradignan Cedex, France
⁴ Universidad de Santiago de Compostela, E-15706 Santiago de Compostela, Spain

Physics of Atomic Nuclei -- August 2005 -- Volume 68, Issue 8, pp. 1303-1313 --- for CAJAD

Scattering of alpha particles on ^{11}B Nuclei at Energies 40 and 50 MeV

N. Burtebaev,¹ M. K. Baktybaev,¹ B. A. Duisebaev,¹ R. J. Peterson,² and S. B. Sakuta³
¹Institute of Nuclear Physics, National Nuclear Center, Almaty, Republic of Kazakhstan
²University of Colorado, USA
³Russian Research Centre Kurchatov Institute, pl. Akademika Kurchatova 1, Moscow, 123182 Russia