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IVAN BRIDA

Curriculum vitae

Current position

2009 – **postdoctoral fellow**
Argonne National Laboratory, USA

Research interests

nuclear Monte Carlo, nuclear few-body systems

Education

2009 **Ph.D. in nuclear physics**
Michigan State University, East Lansing, MI, USA

2001 **M.S.-level degree in nuclear physics**
Comenius University, Bratislava, Slovakia

Publications

2008 I. Brida and F. M. Nunes, *A microscopic hyper-spherical model: application to ${}^6\text{He}$* , Int. Jour. Mod. Phys. **E17** (2008) 2374

2006 I. Brida, F. M. Nunes and B. A. Brown, *Effects of deformation in the three body structure of ${}^{11}\text{Li}$* , Nucl. Phys. **A775** (2006) 23–34

2003 A. V. Yeremin et al., *The upgrade of the kinematic separator VASSILISSA: Experimental results and plans*, Phys. Atom. Nucl. **66** (2003) 1042–1052

A. V. Belozerov et al., *Spontaneous-fission decay properties and production cross-sections for the neutron-deficient nobelium isotopes formed in the ${}^{44,48}\text{Ca} + {}^{204,206,208}\text{Pb}$ reactions*, Eur. Phys. J. **A16** (2003) 447–456

Presentations

- 2008 contributed talk, *SOTANCP2008*, Strasbourg, France
 contributed talk, *APS/DNP Meeting*, Oakland, CA, USA
 contributed talk, *Midwest Theory Get-Together*, Argonne National Laboratory,
 IL, USA
- 2007 poster, *Stewardship Science Academic Alliances Symposium*, Washington D.C.,
 USA
- 2006 contributed talk, *APS/DNP Meeting*, Nashville, TN, USA
 contributed talk, *Midwest Theory Get-Together*, Argonne National Laboratory,
 IL, USA

Research experience

- 2009 – **postdoctoral fellow**
 Argonne National Laboratory, USA
 supervised by R. B. Wiringa and S. C. Pieper
 quantum Monte Carlo of light nuclei
- 2003 – 2009 **graduate assistant**
 Michigan State University and NSCL, East Lansing, MI, USA
 supervised by F. M. Nunes
 variational microscopic treatment of halo nuclei
- 2001 – 2003 **graduate assistant**
 Comenius University, Bratislava, Slovakia
 supervised by S. Saro
 ion optics, production of super-heavy elements
- 1998 – 2001 **undergraduate research**
 Comenius University, Bratislava, Slovakia
 supervised by S. Saro
 thesis: On mass measurement of heavy recoiling nuclei

Teaching experience

- teaching assistant**, Michigan State University
- Spring 2004 PHY231: Introductory Physics I
- Fall 2003 PHY183: Physics for scientists & engineers I

Supervision of research

- 2008 Holly J. Brown, REU project on ^{16}C in a *three body model*, Michigan State
 University, East Lansing, MI, USA, summer 2008

Continuing education

2007 *2007 Summer school on Quantum Monte Carlo from minerals to molecules*,
University of Illinois, Urbana-Champaign IL, USA, July 9 – 19, 2007

Awards

2008 Alfred J. and Ruth Zeits Research Endowment Fellowship

Software

Fortran 90, MPI, HTML, Latex, Linux, Windows, Mathematica

Personal

Languages: Slovak – native, English – proficient, Russian – basic

References

Filomena Nunes, Assistant Professor
Michigan State University and NSCL, East Lansing, MI, USA
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Vladimir Zelevinsky, Professor
Michigan State University and NSCL, East Lansing, MI, USA
Tel: (517) 333-6331, email: zelevinsky@nscl.msu.edu

Robert B. Wiringa, Senior Physicist
Argonne National Laboratory, Argonne, IL, USA
Tel: (630) 252-6134, email: wiringa@anl.gov