

CURRICULUM VITAE

Dario Jukić

Department of Physics
University of Zagreb
Bijenička cesta 32
10000 Zagreb, Croatia

E-mail: djukic@phy.hr
Office: +38514605599

Date and Place of Birth: June 27, 1984; Zenica, Bosnia and Herzegovina

EDUCATION

2009. - Department of Physics, University of Zagreb, Croatia;
PhD student;
2003. - 2008. Department of Physics, University of Zagreb, Croatia;
Theses title: "*Free expansion of a Lieb-Liniger gas*",
Supervisor: Prof. Hrvoje Buljan;
1999. - 2003. High School: Gimnazija Andrije Mohorovičića Rijeka, Croatia;

POSITION

2008. - Teaching assistant at the Department of Physics, University of Zagreb, Croatia (I teach undergraduate courses *Statistical Physics* and *Nonlinear Phenomena*);

AWARDS

2009. Awarded by The National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia - (SCIENCE Award);
2007. Awarded by the Faculty of Science, University of Zagreb, for exceptional success as a student;

PUBLICATIONS

6. D. Jukić, S. Galić, R. Pezer, and H. Buljan,
Lieb-Liniger gas in a constant-force potential,
Phys. Rev. A **82**, 023606 (2010).
5. J. Radić, V. Bačić, D. Jukić, M. Segev, and H. Buljan,
Anderson localization of a Tonks-Girardeau gas in potentials with controlled disorder,
Phys. Rev. A **81**, 063639 (2010).
4. D. Jukić, and H. Buljan,
Reflection of a Lieb-Liniger wave packet from the hard-wall potential,
New J. Phys. **12**, 055010 (2010).

3. K. Lelas, D. Jukić, and H. Buljan,
Ground state properties of a one-dimensional strongly interacting Bose-Fermi mixture in a double-well potential,
Phys. Rev. A **80**, 053617 (2009).
2. D. Jukić, B. Klajn, and H. Buljan,
Momentum distribution of a freely expanding Lieb-Liniger gas,
Phys. Rev. A **79**, 033612 (2009).
1. D. Jukić, R. Pezer, T. Gasenzer, and H. Buljan,
Free expansion of a Lieb-Liniger gas: Asymptotic form of the wave functions,
Phys. Rev. A **78**, 053602 (2008).