

CURRICULUM VITAE

Personal data

Family Name: Nándori
First name: István
Birth: 8th Sept. 1973, Miskolc, (Hungary)
Citizenship: Hungarian
Family status: Single

Working place: Senior research fellow,
MTA-DE Particle Physics Research Group
Bem tér 18/c, H-4032 Debrecen, Hungary,
Phone: +36 52 509 200/11312

Qualifications:

- M. Sc. in physics with excellent result
(Kossuth Lajos University, Debrecen, Hungary, 1997)
- Ph.D. (Dr. rer. nat.) Magna cum laude
(University of Technology, Dresden, Germany, 2002)
- Habilitation
(Inst. Nucl. Res. of HAS, Debrecen, Hungary, 2008)

E-Mail: nandori@atomki.hu

Grants

1. 11/1996 - 03/1997, TEMPUS Grant,
Louis Pasteur University, Strasbourg, France
2. 10/1998 - 03/1999, EMSPS Grant,
Louis Pasteur University, Strasbourg, France
3. 11/1999 - 12/1999, NATO Grant,
Louis Pasteur University, Strasbourg, France
4. 05/2000 - 06/2000, DAAD Stipendium,
University of Technology, Dresden, Germany
5. 09/2001 - 12/2001, DAAD Stipendium,
University of Technology, Dresden, Germany
6. 10/2004 - 12/2004, postdoctoral visiting scientist,
Max-Planck-Institute for Nuclear Physics, Heidelberg, Germany
7. 06/2005 - 08/2005, postdoctoral visiting scientist,
Max-Planck-Institute for Nuclear Physics, Heidelberg, Germany
8. 02/2007 - 03/2007, postdoctoral visiting scientist,
Max-Planck-Institute for Nuclear Physics, Heidelberg, Germany

Professional career

1. 1992-1997 undergraduate student, Kossuth Lajos University, Debrecen, (Hungary)
2. 1997 graduated at Kossuth Lajos University, Debrecen (Hungary)
3. 1997-2002 Ph.D. student, University of Debrecen, (Hungary) and University of Technology, Dresden (Germany)
4. 2002 Ph.D. at the University of Technology, Dresden (Germany)
5. 2003-2008 research fellow, Inst. Nucl. Res. of the HAS, Debrecen (Hungary)
6. 2008 Habilitation at the Inst. Nucl. Res. of the HAS, Debrecen (Hungary)
7. 2009-2011 senior research fellow, Inst. Nucl. Res. of the HAS, Debrecen (Hungary)
8. 2012-present senior research fellow, MTA-DE Particle Physics Research Group.

Other relevant informations

- featured publication of the applicant: J. Phys. G **28** (2002) 607 which was presented as one of the Highlights of 2002-2003 of J. Phys.,
- the front cover picture of the Special Issue Vol.39 Num.45 of J. Phys. A. devoted to the papers presented at the conference 'Renormalization Group 2005, Finland' is taken from the applicant publication, J. Phys. A. **39** (2006) 8119,
- referee to Physical Review Letters and Journal of Physics A.

Research interest

1. Non-perturbative renormalization (high energy and condensed matter physics),
2. Functional renormalization group approach for sine-Gordon type models,
3. Confinement properties of low-dimensional quantum field theories (QED₂, QCD₂),
4. Perturbative treatment of bound-states in Quantum Electrodynamics,
5. Analysis of relaxation mechanisms of magnetic nanoparticle systems.

Educational activities

- Fundamental Interactions, lecture, University of Debrecen, MSc (4 semesters).
- Physics for Engineers, seminar, University of Debrecen, BSc (2 semesters).
- Fundamentals of Physics, exercise, University of Debrecen, BSc (2 semesters).
- Fundamentals of Physics (mechanics), lecture, University of Debrecen, BSc (1 semester).
- Supervisor, 'Kutató-hallgató' fellowships, MTA Atomki.
- Supervisor, Ph.D. and BSc students, University of Debrecen.