

Dr. Etele Molnár

Theoretical Physicist

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Nationality Hungarian (jus sanguinis), Romanian (jus soli)
Date of birth May 6, 1979
Married to Anikó Borbáth
Children Panna Molnár

PROFESSIONAL EXPERIENCES

2012-present

Senior Researcher

University of Debrecen, Debrecen, Hungary

2010-2012

Research Fellow

MTA Wigner Research Centre for Physics, Budapest, Hungary

Marie Curie Mobility Grant

2006-2009

Postdoctoral researcher

Frankfurt Institute for Advanced Studies, Frankfurt am Main, Germany

Alexander von Humboldt Fellowship

EDUCATION

2002 – 2006

University of Bergen

Bergen, Norway

Ph.D. in Theoretical High Energy Physics

Thesis: "Covariant description of particle emission from high energy fluids"

1997-2002

Babes-Bolyai University

Cluj-Napoca, Romania

Ms.C. in Theoretical Physics

Thesis: "Distribution function of extensive parameters and their currents in a subsystem"

LANGUAGES

Mother tongue

Hungarian

Foreign languages

English (fluent), **Romanian** (fluent), **German** (beginner)

IT SKILLS

Operating systems

Linux, Windows

Development

C/C++, Fortran, Matlab, Mathematica

PROFESSIONAL ACTIVITIES

- Study and research of global collective dynamics, thermodynamics, statistical physics, relativistic kinetic theory, dissipative fluid dynamics, numerical methods, computational fluid dynamics.
- Peer reviewing scientific papers for PRC, PRD, PRE, PRL, EPJA, J.Phys.G.