

Ben King

Curriculum Vitae

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Personal

Sex: Male

Born: 7th July 1984

Nationality: British

Marital status: Single

Health: Excellent.

Studies

06/2007 - 06/2010 Max Planck Institute for Nuclear Physics
Quantum Dynamics in Intense Laser Fields
Dr. rer. nat. (summa cum laude).

Doctoral thesis:
Vacuum Polarisation Effects in Intense Laser Fields.

09/2002 - 06/2006 Imperial College London
Physics with Theoretical Physics MSci (1st class honours).

Master's project:
BPS p-brane solutions in bosonic 11D supergravity.

Education

09/2000 - 06/2002 Horsforth School, Leeds, UK.
A-Levels
Further Mathematics (A), Mathematics (A), Physics (A) and
Chemistry (A).

09/1995 - 06/2000 Horsforth School, Leeds, UK.
GCSEs
Mathematics (A*), Science (A*), Religious Education (A*),
German (A*), English Language (A*), History (A*), Information
Technology (A*), Systems and Control Technology(A) and English
Literature(A).

04/1988 - 06/1995 Cookridge Primary School, Leeds, UK.

Employment

- 06/2010 - Quantum Dynamics in Intense Laser Fields
Max Planck Institute for Nuclear Physics, Heidelberg, Germany.

Project title:
Vacuum Polarisation Effects in Intense Laser Fields:
Interference Structure and Influence of a Thermal Background.
- 09/2006 - 03/2007 Department of Nonlinear Dynamics
Max Planck Institute for Dynamics, Göttingen, Germany.
Supervisor: Dr Fred Wolf

Project:
Mapping stochastic neuron dynamics onto a deterministic model.
- 06/2006 - 09/2006 IT-PSS Group and LHCb experiment
CERN, Geneva, Switzerland.
Supervisor: Dr Andrew Maier.
- 08/2005 - 09/2005 High Energy Physics Group (CMS)
Imperial College London, UK.
Supervisor: Dr David Colling.
- 06/2005 - 07/2005 Theoretical Solid State group
National Nuclear Center of Kazakhstan Republic, Almaty,
Kazakhstan.
Supervisor: Dr Toleu Turkabaev.
- 10/2004 - 03/2005 Photosynthesis group
09/2003 Life Sciences, Imperial College London, UK.
Supervisor: Dr Jon Nield.
- 06/2004 - 09/2004 Atomic physics group
Sharp Lab, University of Delaware, USA.
Supervisor: Asst. Prof. Marianna Safranova.

Teaching

- 10/2008 - 01/2009 University of Heidelberg, undergraduate tutor,
Theoretical Physics III: Quantum Mechanics (in German).
- 04/2008 - 07/2009 University of Heidelberg, undergraduate tutor,
Theoretical Physics II: Electrodynamics.

Further skills

- Computational: C++ (good), FORTRAN (basic), Python (basic), MATLAB (good),
Mathematica (basic).
- Languages: English (mother tongue), German (fluent).
- Hobbies: Astronomy, swimming, canoeing, guitar, Russian.