

Curriculum Vitae

Personal Information

Name: Christoph Lüdeling
Birth: January 12, 1979 in Leer (Germany)
Nationality: German
Adress: Bethe Center for Theoretical Physics and Physikalisches Institut
Universität Bonn
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Positions Held

10/08 – present Research Associate at the Bethe Center for Theoretical Physics and
Physikalisches Institut, Universität Bonn
10/06 – 09/08 Research Associate at the Institut für theoretische Physik of the
Universität Heidelberg
work on heterotic orbifold compactifications and 7-brane model
building in F-theory
07/06 – 09/06 Research Associate at Deutsches Elektronensynchrotron DESY
work on supergravity in higher dimensions and heterotic orbifold
compactifications

Teaching Experience

Lectures *Group Theory* (Summer term 2010), *Advanced Theoretical Particle
Physics* (Summer term 2011, jointly with Hans Peter Nilles)
Tutorials Since 2004: *General Theory of Relativity, Particle Physics and Cos-
mology, Superstring Theory, Statistical Mechanics and Thermody-
namics* and *Classical Mechanics*
07/05 – 09/05 DESY Summer Student advisor
10/00 – 07/02 Physics Lab advisor for medical students

Professional Activities

12/10 – present Scientific Manager of the Bethe Center for Theoretical Physics
10/10 Co-Organiser of the 2nd Bethe Center Workshop “Cosmology meets
Particle Physics”
06/10 – present Organiser of the Theory Seminar

Degrees and Higher Education

- 07/06 PhD in Physics at the Universität Hamburg
Grade: 1 (on a scale from 1 to 5)
- 10/03 – 07/06 PhD Student at the Universität Hamburg and Deutsches Elektronensynchrotron DESY, Hamburg
Title of Thesis: *6D Supergravity: Warped Solution and Gravity Mediated Supersymmetry Breaking*
Thesis advisor: Prof. Wilfried Buchmüller
- 09/03 *Diplom* in Physics at the Universität Hamburg (with distinction)
Grade: 1 (on a scale from 1 to 5)
- 09/02 – 09/03 Diploma Thesis at DESY and the Universität Hamburg
Thesis title: *Supergravity in Four and Five Dimensions*
Thesis advisor: Prof. Wilfried Buchmüller
- 10/99 – 06/00 Exchange student at Imperial College, London
Imperial College International Diploma
- 09/99 *Vordiplom* (intermediate diploma) in Physics at the Universität Hamburg. Grade: 1 (on a scale from 1 to 5)
- 10/97 – 09/03 Physics at the Universität Hamburg
1997 Abitur (High School degree), Ubbo-Emmius-Gymnasium Leer.
Grade: 1.0 (on a scale from 1 to 6)

Outreach

- 12/02 – 09/06 DESY visitors' guide, about one talk (45 minutes) or tour (90 minutes) per week
Collaboration on “Tag der offenen Tür” (DESY Open Day) and “Nacht des Wissens” (Hamburg Night of Knowledge)
- 02/02 – 06/06 “Students at Schools” project: Teaching assistant at Helene-Lange-Gymnasium Hamburg (High school)

Schools

- 03/07 Spring School on Superstring Theory and Related Topics, ICTP, Trieste, Italy
- 09/05 European School on High-Energy Physics, Kitzbühel, Austria
Lecture notes *Field Theory and the Standard Model* (with Wilfried Buchmüller)
- 09/04 Tenth National School for Graduate Students: Foundations and New Methods of Theoretical Physics, Wolfersdorf, Germany
Lecture notes *From Super-Yang-Mills to QCD* (with Misha Shifman)
- 09/03 35th Autumn School on High-Energy Physics, Maria Laach, Germany