

Dr. Benjamin Koch

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Santiago, Chile

RESEARCH LHC phenomenology,
INTERESTS Physics beyond the standard model,
quantum gravity

EDUCATION **2007**, PhD
Title: Black hole production and graviton emission
in models with large extra dimensions
At: Frankfurt International Graduate School of Science and
Institute of Theoretical Physics in Frankfurt, Germany

2003, Diploma
Title: Einschleifenrechnungen zur tiefinelastischen
Neutrino-Nukleon-Streuung im MSSM
At: Max Planck Institute for Theoretical Physics, and
Technical University Munich, Germany

2001, One semester of language study
At: Universidad de Complutense in Madrid, Spain

1996, School leaving examination (Abitur)
At: Theodor Heuss Gymnasium Nördlingen, Germany

WORKING **Since September 2008**, Postdoc and teacher
EXPERIENCE At: Pontificia Universidad Católica de Chile, Santiago, Chile

2007-2008, Postdoc
At: Institute of Theoretical Physics in Frankfurt, Germany

2004-2007, Teaching assistant
At: Institute of Theoretical Physics in Frankfurt, Germany

2001, Internship
Job: Simulation and construction of a water Cherenkov detector
At: Max Planck Institute for Physics in Munich, Germany

1996-1997, Civilian service
At: Lebenshilfe Nördlingen, Germany

TEACHING
EXPERIENCE

Teacher at Pontificia Universidad Católica

2010-I, Undergraduate course, Introduction do Physics (Spanish)
2009-II, Undergraduate course, Introduction to Physics (Spanish)
2009-I, Graduate course, Quantum Field Theory (English)
2008-II, Undergraduate course, Introduction to Particle Physics (English)

Assistant at University of Frankfurt

2007-I, Undergraduate course, Statistical Physics (German)
2006-I, Undergraduate course, Quantum mechanics I (German)
2005-I, Undergraduate course, Elektrodynamics (German)
2004-II, Undergraduate course, Theoretical mechanics II (English)
2004-II, Undergraduate course, Theoretical mechanics I (German)

LANGUAGES

German, native language

English, fluently

Spanish, fluently

Latin, reading only

COMPUTING SKILLS

Programming and editing, C++, Fortran, Perl, html, and Latex.

Operating systems, Mac OSX, Linux, and Windows.

OTHER INTERESTS

Gymnastics, drawing, and surfing.

Santiago, April 16, 2010