

**RWTH**

**CENTER FOR  
DOCTORAL  
STUDIES**

**Doctorate Supplement**  
(English Transcript)

conferred to

**Dr.fer.nat.** 

EXAMPLE  
BEISPIEL  
(Physik,  
2009/  
2010)

**PERSONAL DETAILS OF THE QUALIFICATION HOLDER**

Last Name: [REDACTED]  
First Name: [REDACTED]  
Date of Birth: [REDACTED]  
Place of Birth: [REDACTED]

**DETAILS ON THE QUALIFICATION**

Title of the Qualification:  
Doktor der Naturwissenschaften (Dr.rer.nat.)

**TITLE OF THE DOCTORAL THESIS AND  
RESULT OF THE DOCTORAL PROCEDURE**

[REDACTED]

Overall Grade: [REDACTED] (e.g. "gut")

**ADDITIONAL PERFORMANCE**

Within the doctorate at RWTH Aachen University Dr.rer.nat. [REDACTED] has rendered additional performance as stated below:

**Advanced training**

**- Schools**

SUSSP61 - 61st Scottish Universities Summer School in Physics, August 8 – 23, 2006  
Edinburgh (Scotland); participation, including a poster

SAT07 - Schule für Astroteilchenphysik 2007 (School for Astro Particle Physics 2007), Obertrubach-Bärnfels (Germany); October 2007  
participation, including a presentation "Das Double Chooz Experiment - und sein Level-1 Trigger System"

**- Attended Lectures**

Elektronik für Physiker (Electronics for Physicists), WS 2005/06  
Prof. Hebbeker, Aachen

CP-Verletzung (CP-Violation),  
Prof. Stahl and Prof. Bernreuther, Aachen

WS 2005/06

Elementarteilchenphysik II (Elementary Particle Physics II),  
Prof. Hebbeker, Aachen

WS 2007/08

**-Block Courses**

Dr. Glen Cowan,  
Lectures and Exercises in Statistics

WS 2006/07

Prof. Zerwas,  
Supersymmetry

WS 2007/08

Dr. Peter Skands,  
Monte Carlo Generators

WS 2007/08

Dr. Paul Kunz,  
C++ for Scientists, Programming Simulation and/or Analysis code

SS 2008

Report week of the graduate school in Bad Honnef; participation  
including a presentation each time

September 2006,  
August 2007,  
September 2008

**Workshops**

Workshop on Double Chooz Electronics and Data Acquisition  
System (DAQ), Aachen; participation and organisation

April 24 – 26, 2006

DOGS\* Tutorial, Paris  
(\* DOGS: Double Chooz Offline Simulation Software Package)

November 14 – 18,  
2006

Betabeam Workshop, Aachen

October 31 –  
November 1, 2007

Workshop Applied Antineutrino Physics 2007, Paris

December 12 – 14,  
2007

Globes-Workshop  
(Prof. Lindner, MPI-K Heidelberg), Heidelberg

January 24 – 26,  
2007

Electronics and DAQ Workshop, Columbia (US),  
participation via video link

October 2008

**Conferences**

DPG Dortmund 2006; participation including presentation

2006

**Collaboration meetings**

Heidelberg; participation	2005
Chicago, Chooz; participation	2006
Aachen; participation, including a presentation and decisive contributions to the organisation and logistics	2006
Madrid, Chooz, Oxford; participation with one or two presentations per meeting	2007
Kobe, Chooz, Chooz; participation with one or two presentations per meeting	2008
virtual collaboration meeting; participation	2008
participation in various weekly/ monthly Double Chooz Phone Meetings (calibration, trigger and DAQ, analysis, Monte Carlo simulation, Frontend Elektronik, ...)	2005 - 2009

**Seminars**

Kolloquium über Physik (Monday seminar)	WS 2005/06 – SS 2008
Graduiertenseminar: Hochenergiephysik an neuen Beschleunigern (High Energy Physics at new accelerators, Tuesday seminar)	WS 2005/06 – WS 2008/09
Institutsseminar III. Phys. Institut: Experimentelle Elementarteilchenphysik (Friday seminar); participation, including a presentation	WS 2005/06 – WS 2008/09
Tutorial for Junior Scientists; participation and organisation (together with Dr. T. Kress and Dr. O. Pooth)	SS 2007
Literaturseminar; participation with presentation "Measurement of the neutral current cross section and F(2) structure function for deep inelastic e + p scattering at HERA"	SS 2008

**Project Organization**

Co-Organisation of Electronics Workshop, (see "Workshops")	April 2006
Co-Organisation of Collaboration Meeting in Aachen,	October 2006
Co-Organisation of Tutorial for Junior Scientists, (see "Seminars")	SS 2007

**Publications**

[REDACTED]

F. Ardellier et al., Double Chooz, A Search for the Neutrino  
Mixing Angle Theta-13 (Letter of Intent), arxiv: hep-ex/0606025

[REDACTED]

[REDACTED]

**International projects**

Visit of Double Chooz working group at APC Paris	November 21 – 25,
*Astroparticule et Cosmologie, Université Paris 7, Denis Diderot;	2007,
Purpose: knowledge transfer in the development and operation	April 17 – May 24,
[REDACTED]	2008

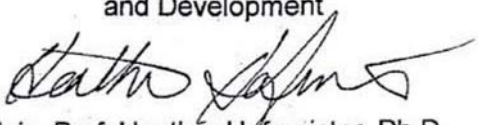
**Teaching**

Supervision of physics students in their laboratory exercises, experiment I: "Velocity Drift Chamber", experiment II: "Particle Detectors and Radiation Protection"	2006 – 2008
Preparation and Demonstration of Experiments during the lecture "Physik IV" by Dr. S. Roth () and Prof. A. Stahl	SS 2007, SS 2006
Co-Supervision and mentoring of three diploma students	2007, 2009
"Unihits für Kids": demonstration of a cloud chamber for school pupils (5th to 8th grade)	

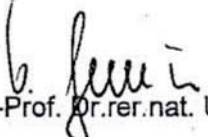
SS = Summer Semester, WS = Winter Semester

Aachen, February 17, 2010

Vice-Rector for  
Human Resources Management  
and Development

  
Univ.-Prof. Heather Hofmeister, Ph.D.

Dean of the  
Faculty of Mathematics, Computer Science  
and Natural Sciences

  
Univ.-Prof. Dr.rer.nat. Ulrich Simon