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Dr. Julia Scharwächter

Personal Details

Date of Birth: 9 May 1977
Nationality: German

Education

2002-2005 **Doctoral Studies in Physics**
1st Institute of Physics, University of Cologne, Germany
• Doctoral degree (Dr. rer. nat.) in February 2005 with mark “very good”
• Thesis: *Merger Dynamics and Stellar Populations in the Host Galaxies of the Quasi-Stellar Objects I Zw 1 and 3C 48*
• Supervisors: Prof. Dr. Andreas Eckart and Prof. apl. Dr. Susanne Pflanzner

1996-2001 **Diploma Studies in Physics**
Department of Physics, University of Cologne, Germany
• Diploma degree (Dipl.-Phys.) in December 2001 with mark “mit Auszeichnung” (passed with distinction)
• Diploma thesis, 1st Institute of Physics: *The Dynamics of the Nearby QSO Host I Zw 1*
• Supervisors: Prof. Dr. Andreas Eckart and Prof. apl. Dr. Susanne Pflanzner

1983-1996 **School education**

Positions

since May 2009 **Research Fellow**
**Research School of Astronomy & Astrophysics (RSAA),
The Australian National University (ANU)**
• Working with Prof. Michael Dopita
• Research focussing on integral field spectroscopy of AGN host galaxies using the Wide Field Spectrograph (WiFeS) at the ANU 2.3m telescope

May 2005-April 2009 **ESO Postdoctoral Fellow**
ESO, Santiago and La Silla Observatory, Chile
• Including functional work in the La Silla Science Operations Department as a support astronomer at the NTT (New Technology Telescope)

January - June 2002, July 2004 - April 2005 **Part-time positions**
1st Institute of Physics, University of Cologne (doctoral thesis)

2001 **Student assistant position**
1st Institute of Physics, University of Cologne (diploma thesis)

- Qualifications**
- Instrument Responsibilities**
- WiFeS – optical integral field spectrograph, ANU 2.3m telescope, Siding Spring (support since June 2010)
 - SofI – near-infrared imager and spectrograph, ESO NTT, La Silla (instrument scientist May 2006 - April 2009)
 - SuSI2 – optical imager, ESO NTT, La Silla (instrument scientist October 2005 - March 2008)
- Organisational Experience**
- Organiser of the 6th Stromlo Symposium on “IFU Science in Australia” (RSAA, ANU, 13-15 April 2011)
 - Organiser of a WiFeS data reduction workshop (RSAA, ANU, 28 April 2010)
 - Co-organiser of scientific colloquia and seminars (ESO Chile, March 2008 - April 2009)
 - Co-organiser of informal weekly scientific meetings (ESO Chile, September 2005 - February 2007)
 - Organiser of the physics department’s activities for an open day for schoolgirls (Univ. of Cologne, 2004 and 2005)
- Teaching/Student supervision**
- Co-supervisor of doctoral thesis (Univ. of Cologne, ongoing)
 - Supervisor of undergraduate astronomy project (ANU, since August 2011)
 - Honours thesis assessor (ANU, May 2010)
 - Supervisor of summer research scholar (ANU, summer 2009/2010)
 - Supervisor of undergraduate practical courses (Univ. of Cologne, 2000 - 2005)
- Public Outreach**
- Participation in outreach programmes and open days (RSAA, ANU)
 - Participation in ESO stand at Gemini AstroDay Chile 2008 (La Serena, Chile, 23 February 2008)
 - Participation in media training workshop (ESO Chile, 29 July 2008)
- Languages**
- German (mother tongue), English and Spanish (fluent), French (basic), Latin
- Committees, Memberships**
- Visiting Scientist Committee of ESO in Chile (2006 - 2009)
 - Fellow and Student Selection Committee of ESO in Chile (2006-2007)
 - Member of “Alumni der Studienstiftung e.V.”
 - Member of the “Astronomical Society of Australia”
 - Member of the “Deutsche Physikalische Gesellschaft”
- Grants**
- Fellowship of the German National Academic Foundation (“Studienstiftung des deutschen Volkes”) for doctoral students (July 2002 - June 2004)
 - Group of Eight Australia - Germany Joint Research Cooperation Scheme funding for project *Co-evolution of supermassive black holes and host galaxies in the nearby universe* in collaboration with University of Cologne (2011-2012)

15 November 2011

Dr. Julia Scharwächter