

PhD Position in Astrophysics

I. Institute for Physics

With approximately 50,000 students, the University of Cologne is one of the largest universities in Germany and ranks among the Excellence Universities. It employs over 600 professors and 7,000 academic and non-academic staff.

The I. Institute for Physics at the University of Cologne is a main partner in the Collaborative Research Center 956 „Conditions and Impact of Star Formation - Astrophysics, Instrumentation and Laboratory Research“ that aims to understand the Cosmic Cycle and the cycle of star formation from interstellar matter through the life and death of stars (<https://www.sfb956.de/>).

YOUR TASKS

- » comparison of numerical models of photon-dominated regions with newest observational data
- » derivation of physical and chemical properties of the observed regions
- » iterative improvement of the models to include all relevant excitation processes
- » depending on the interests of the applicant, supplementary practical observations at the air-borne observatory SOFIA or ground-based telescopes in Chile and Spain
- » contribution to the academic environment at the institute

YOUR PROFILE

- » University degree (diploma or MSc.) in physics, astronomy or a related field
- » background in astrophysics
- » some programming experience
- » strong interest in data analysis and numerical simulations

WE OFFER YOU

- » support by the CRC 956 doctoral program to obtain a PhD in physics in the broad scientific environment of the CRC
- » a diverse and fair working environment
- » support in reconciling work and family life
- » flexible working time models
- » extensive advanced training opportunities
- » occupational health management offers
- » local transport ticket at a discount for UoC employees

The position is available from the 1st of March 2019. The appointment will be for 3 years, starting at 50% in the first year and extending to 67% and 75% later on. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

The University of Cologne promotes equal opportunities and diversity in its employment relations. Women are strongly encouraged to apply and given priority in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We strongly welcome applications from individuals with severe disabilities or people of equivalent status. Severely disabled applicants of equal merit and qualifications will be given priority.

Please send your application including CV, educational record and short statement of research interests. Please indicate your possible starting date and arrange for two letters of recommendation to be sent by email to PD Dr. Volker Ossenkopf-Okada, ossk@ph1.uni-koeln.de. Reference number Wiss1812-01. The application deadline is the 31st of January 2019.