Anbieter

Universität
Ruhr-Universität Bochum

Institut / Einrichtung
Lehrstuhl für Multiwellenlängen-Astrophysik

Kategorie
Wissenschaftl. Mitarbeiter(in)

Angebot

Titel
PhD Position in Multi-messenger Astronomy 3 years 26,28 h/w

Einsatzort
Universitätsstraße 150
44801 Bochum
Deutschland

Beschreibung

The Ruhr-Universität Bochum is one of the leading research universities. The university draws its strengths from both the diversity and the proximity of scientific and engineering disciplines on a single, coherent campus. This highly dynamic setting enables students and researchers to work across traditional boundaries of academic subjects and faculties.

The newly established multi-wavelength astronomy at the Ruhr-Universität Bochum (RUB) is looking for a PhD student (m/f/d) with the earliest starting date of Oct. 1, 2020.

The group is involved in high-energy neutrino detection with the IceCube Observatory located at the geographic South Pole, gamma-ray detections with the Fermi Large-Area Space Telescope and the next-generation observatory for very-high-energy gamma-rays, the Cherenkov Telescope Array (CTA). The group is further involved in optical follow-up observations of neutrinos and gravitational waves with the optical survey instrument Zwicky Transient Facility (ZTF) and in the development of a next-generation cost-effective optical survey instrument, the Large Array Survey Telescope (LAST). The group closely collaborates with experts at DESY Zeuthen and the Weizmann Institute in Israel.

Position description: The successful candidate (m/f/d) will work with experts in Israel to test and calibrate hardware components for LAST and contribute to the development of the image processing pipeline. This includes cutting edge research on advanced polarisation hardware. Additional subtopics in the context of multi-messenger astronomy such as real-time integration of LAST with CTA or IceCube data analysis may be considered depending on the candidate’s profile and interest.

The position is primarily based at Ruhr-Universität Bochum (Universitätsstr. 150, 44801 Bochum, Germany), can start earliest on Oct 1, 2020 and is offered for a maximum period of three years. The salary will constitute 26,28 h/w of grade E12/13 of the German TV-L pay scale.

The load of teaching will be calculated according to § 3 of Lehrverpflichtungsverordnung (state of North Rhine-Westphalia).

Application & Contact: We are looking forward to receiving your application containing the following documents:

- CV
- Statement of interest and previous experience (max. 1 page)
- 2 letters of recommendation, sent by the author directly to the email address given below
- Copy of Master’s degree and transcript of records
Please send your application as a single pdf-file per email to Dr. A. Franckowiak at office@tp4.rub.de not later than the 9th August 2020. For further information, please contact Dr. A. Franckowiak at office@tp4.rub.de.

Travel expenses for interviews cannot be refunded.

At Ruhr-Universität Bochum, we wish to promote careers of women in areas in which they are underrepresented, and we would therefore like to encourage female candidates to send us their applications. Applications by suitable candidates with severe disabilities and other applicants with equal legal status are likewise most welcome.

### Anforderungsprofil

**Qualification:** A Master's degree (or equivalent) in physics, astronomy or a closely related field is required, as are programming skills (python and/or C++), proficiency in English and willingness to travel. Experience in optical astronomy and instrumentation is of advantage.

### Vergütung

E12/13 TV-L - 26,28 h/w

### Art der Beschäftigung

Teilzeit

### Zeitraum der Beschäftigung

3 Jahre

### Bewerbungsfristende

Sonntag, 9. August 2020 - 23:59

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### Kontakt

**Vorname**

Anna

**Name**

Franckowiak

**Telefon**

+49 234 3226710

**E-Mail**

office@tp4.rub.de

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**Link zu dieser Stellenanzeige:** https://www.stellenwerk-bochum.de/jobboerse/wissenschaftl-mitarbeiterin-phd-position-multi-messenger-astronomy-3-years-2628-hw-bo-2020-07-08-316578

**Bitte beziehen Sie sich in Ihrer Bewerbung auf https://www.stellenwerk-bochum.de/**