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## research position

starting September 1<sup>st</sup>, 2020

(E14 TV-L, non-permanent position)



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### Your Tasks

We are looking for an experienced radio astronomer in the context of MeerKAT and the SKA. We expect that the candidate will take a coordinating role among the partners of the German D-MeerKAT consortium that contributes to MeerKAT and SKA pathfinder science. The specific task of this position will be the investigation of the diffuse (polarized) radio emission of the Milky Way. The successful candidate will take a leading role in an all-sky S-band survey, the data evaluation and the data modelling with the SKA-MPG telescope. This investigation will serve a better understanding of the (polarized) foreground components of the cosmic microwave background and HI intensity mapping. The possibility to carry out independent research projects in parallel is provided. She\*He will also support the management (coordinator Prof. Dr. Dominik Schwarz) of the German D-MeerKAT consortium and contribute with her\*his expertise to establishing a regional science data centre for radio astronomy. We also expect the candidate to contribute to the supervision of Bachelor- and Master-students and to co-supervise PhD-students.

The successful applicant will be given the opportunity to obtain the *venia legendi*.

### Your Profile

#### We expect

- an academic degree (e. g. Master or Diplom) in Physics, Astronomy or equivalent
- completed relevant PhD
- research experience in radio astronomy (documented by scientific publications, conference contributions and references)
- essential skills in project management, reporting
- experience in programming
- fluent in written and spoken English
- independent, self-reliant and dedicated style of work
- strong organizational and coordination skills
- ability to cooperate and to work in a team

#### Preferable qualifications

- experience in the research area of diffuse galactic radiation at radio frequencies
- experience with radio astronomical instrumentation and development
- software skills in radio astronomy specific software (CASA, AIPS etc.)
- demonstrated leadership potential in research

### Remuneration

Salary will be paid according to Remuneration level 14 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) sentence 2 of the *WissZeitVG* (fixed-term employment), the contract will end by August 31<sup>st</sup>, 2023. In accordance with the provisions of the *WissZeitVG* and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The possibility of extension is given. The employment is designed to encourage further academic qualification. In principle, this full-time position may be changed into a part-time position, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all its employees.

#### Application Procedure

For full consideration, your application should be received via either post (see postal address below) or email (a single PDF) document sent to [rededer@physik.uni-bielefeld.de](mailto:rededer@physik.uni-bielefeld.de) by **July 26<sup>th</sup>, 2020**. Please mark your application with the identification code: **wiss20143** and submit your application including a short CV, research statement, list of publications, copies of your academic certificates and a list of names and contact details (affiliation, e-mail addresses and phone numbers) of 3-5 potential referees (we will approach them). Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure. Further information on Bielefeld University can be found on our homepage at [www.uni-bielefeld.de](http://www.uni-bielefeld.de). Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. Information on the processing of personal data is available [https://www.uni-bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019\\_DS-Hinweise\\_englisch.pdf](https://www.uni-bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019_DS-Hinweise_englisch.pdf).

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