



Leibniz-Institut für Astrophysik Potsdam

The Leibniz Institute for Astrophysics Potsdam (AIP, <https://www.aip.de>) invites applications for a

Postdoctoral associate position in the area of stellar atmospheres (m/f/d)

to participate in the EU-funded project H2020 ChETEC-INFRA, a collaboration of 32 European institutions committed to research in nuclear astrophysics. The goal of this collaboration is to advance the field of nuclear astrophysics by providing transnational access to astronuclear laboratories, telescopes, and supercomputer facilities, addressing key questions on solar fusion and stellar nucleosynthesis.

Job description

The post-doc at the AIP will develop new, innovative methods and software tools to exploit the full potential of three-dimensional model atmospheres coupled with non-LTE radiative transfer for deriving accurate elemental and isotopic abundances from stellar spectra. The successful candidate is expected to work on these topics in close collaboration with Dr. Matthias Steffen. The post-doc is encouraged to also pursue his/her own research interests as far as they align with the funded project area.

Qualification

Applicants should hold a PhD degree in astrophysics or a related discipline at the time of starting the position. Qualified candidates are expected to have a solid background in the theory of stellar atmospheres and (non-LTE) spectral line formation. The post-doc needs good programming skills and should have some experience in large-scale computing. Experience with three-dimensional model atmospheres is an advantage.

Contract

The EU-funded appointment will be for 24 months with a flexible start date between May 1 and September 1, 2021. The salary is based on the German public service scale (TV-L E13) and the applicant's previous experience. The position includes travel and computing support. Employer contributions to medical and dental insurance, parental leave, retirement benefits and the public transport system (job ticket) are included.

Application

To apply, please send a single PDF file containing a cover letter, statement of research experiences and interests relevant to this position (max. 2 pages), curriculum vitae, and publication list to

bewerbung_2021-09@aip.de

Applicants should also provide the contact information of 2 references who are prepared to provide letters of recommendation upon request. Applications received by **March 31, 2021** will receive full consideration.

The AIP is an equal opportunity employer who values diversity and particularly encourages women and members of other underrepresented groups to apply. Inquiries about the position should be sent to Dr. Matthias Steffen (msteffen@aip.de).

Contact:

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