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**UNIVERSITÄT  
BERN**

Astronomisches Institut, Sidlerstrasse 5, CH - 3012 Bern

Philosophisch-  
naturwissenschaftliche Fakultät  
**Astronomisches Institut**

Bern, July 14, 2023

The **Space Weather group of the Astronomical Institute, University of Bern** is inviting applications for a

## **Postdoc (80-100%)**

to work on

### **astronomical instrumentation**

The University of Bern hosts many domains of astronomy, from solar physics, to exoplanets, and satellite observations. The successful candidate will work in the space weather group, which focuses on understanding solar and stellar flares. This position is part of an ERC project with the goal of building a unique instrument to measure the full visible spectrum of flares. The instrument will be used at the University's observatory in Zimmerwald and as a guest instrument at other facilities.

We are looking for highly motivated candidates with previous experience in optics, instrument design, spectrographs and astronomical instrumentation in general. You will be part of a research group of >10 people that combines instrumentation, machine learning, observations and models to answer questions such as "*When and where will a flare occur? What are the origins and mechanisms of solar flares and stellar superflares?*". Support for conferences and collaborations is available.

- Requirements:**
- PhD degree in physics, astronomy, or a similar discipline.
  - Experience with optical design, in particular with Zemax and spectrographs.
  - Experience in programming with Python and/or IDL, further programming languages are considered an asset.
  - Knowledge of ground- and space-based solar or stellar observations.
  - Teamplayer who likes to work with other group members and students.

**Appointment:** After January 1, 2024, open until filled. 3-year position with an option for prolongation.

**Application:** deadline: **August 15, 2023** via email to L. Kleint, containing (as one pdf file): CV, a list of publications, motivation letter for this specific position, max. 2-page research statement, names of 3 references that can be contacted.

**Salary:** Based on the regulations of the University of Bern, starting at 87 kCHF/year

**Contact:** Prof. Dr. Lucia Kleint (email [lucia.kleint@unibe.ch](mailto:lucia.kleint@unibe.ch)).

An equal opportunity environment is important to us, and we welcome applicants from groups that are traditionally underrepresented in physics and astronomy. We will be particularly pleased to receive applications from women for the advertised position.

Prof. Dr. Lucia Kleint  
Sidlerstrasse 5  
CH - 3012 Bern

Tel. +41 (0)31 684 83 79  
[lucia.kleint@unibe.ch](mailto:lucia.kleint@unibe.ch)  
<http://www.aiub.unibe.ch>