# Faculty Position in Purple Mountain Observatory, CAS

[**Submission Information**](https://jobregister.aas.org/ad/0c3add79)

**Publish Date:**

Wednesday, November2, 2023

**Archive Date:**

Thursday, November 16, 2023

[**Job Summary**](https://jobregister.aas.org/ad/0c3add79)

**Job Category:**

Faculty Positions

**Institution Classification/Type:**

Research Laboratory

**Institution/Company:**

Purple Mountain Observatory, Chinese Academy of Sciences

**Street Line 1:**

N.10 Yuanhua Road. Qixia District.

**Department Name:**

The Group on Solar and Heliospheric Plasmas

**City:**

Nanjing

**State/Province:**

Jiangsu

**Country:**

China

[**Announcement**](https://jobregister.aas.org/ad/0c3add79)

**Job Announcement Text:**

Purple Mountain Observatory (PMO) is looking for Principal Investigator of The Group on Solar and Solar System Plasmas.

**1. The subjects of the Group on Solar and Heliospheric Plasmas.**

1. **Radio Radiation in Solar and Heliospheric Plasmas:**

Radio radiation is not only important plasma activity on the sun and in the heliosphere, but also one of diagnosis methods for studying space and astrophysical plasmas, which can provide important information on the solar and heliospheric plasma environment and its particle energization processes. The detection and research of solar and heliospheric radio radiation is one of the two subjects of the group;

1. **Plasma Physics of Heliospheric Boundary Layer:**

The heliospheric boundary layer, which is not only the first threshold for humans to enter interstellar space but also an important barrier to protect the human ecological environment in the solar system, has complex structures and dynamic processes, as well as important impacts on the heliospheric plasma environment. The other one of the two subjects of the group is the detection and research of plasma structures and dynamic processes in the heliospheric boundary layer.

**2. The Development Goal of the Group**

Based on the above two subjects, steadily carry out relevant studies of basic plasma sciences, actively organize and promote relevant payload projects such as "low-frequency radio and plasma wave integrated space detection", and strive to develop the group into an active team at the forefront of solar and heliospheric plasma research.

**3、The Responsibility of the Principal Investigator**

The responsibilities of the PI of the group are:

1. Design and formulate the research plans of the group;
2. Organize and promote the application related payload projects such as "Integrated Space Detection of Low Frequency Radio and Plasma Waves";
3. Coordinate and formulate graduate training plans and academic cooperation and exchange plans for the group;
4. Coordinate the responsibilities of group members;
5. Daily management work of the group related to the PI.

Based on the above responsibilities of the PI, the candidate for the PI must meet the following requirements:

1. Have experience as a senior researcher (with a Full Professor、Research Professor or Research Scientist title at least 5 years; Overseas talents can be relaxed to associate professors);
2. Applicants should have a Ph.D. in physics, astronomy, or a related field.
3. Have a research background in solar and heliospheric radio radiation and space plasma physics;
4. Have good organizational skills and rich management experience in scientific research activities and projects.
5. Physical condition: Good

Applications for this position must be submitted via email.

Email address: [jmma@pmo.ac.cn](mailto:jmma@pmo.ac.cn).

Email title: PI+your name

Please fill the form in attachment first. A complete application should include a CV, a list of publications, and a statement of previous and future research, The copy of ID card, The copy of certificate of degree. Materials should be submitted by November 16, 2023 .

For questions, please contact: [jmma@pmo.ac.cn](mailto:jmma@pmo.ac.cn).

**Closing Date for Application:**

Thursday, November 16, 2023 17:00 (China Standard Time)

**Current Status of Position:** Accepting Applicants

[**Apply to Job**](https://jobregister.aas.org/ad/0c3add79)

**Attention To:** Junmei Ma

**Title:** HR

**Institution/Company:** Purple Mountain Observatory, CAS.

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