JÜLICH
Forschungszentrum

Conducting research for a changing society: This is what drives us at Forschungszentrum Jülich. As a member of the Helmholtz Association, we aim to tackle the grand societal challenges of our time and conduct research into the possibilities of a digitized society, a climate-friendly energy system, and a resource-efficient economy. Work together with around 7,400 employees in one of Europe's biggest research centres and help us to shape change!

The Jülich Centre for Neutron Science (JCNS) operates at the Heinz Maier-Leibnitz Zentrum (MLZ) in Garching near Munich a suite of high performance neutron scattering instruments. It provides access to these instruments for scientists from universities and research institutions in Germany and throughout the world. Within the user program more than 1000 scientists visit the MLZ every year to perform experiments in the physical, chemical, biological and materials sciences. In addition, JCNS is actively pursuing a research program in the field of soft matter science and condensed matter physics.

We are looking to recruit a

Instrument Scientist / Postdoc for Neutron Spectrometer PANDA

Your Job:
We are looking for a highly motivated instrument scientist to join the neutron spectrometer PANDA (cold triple axis spectrometer) team. PANDA is one of the world-leading cold TAS instruments, with solid user base and scientific cooperation. Several developments like AI-assisted data collection option (ARIANE), multiplexing secondary spectrometer (BAMBUS) and ADR cryostat were adapted to PANDA in the recent years, with the needs of being commissioned and the request of implementating modern data collection and analysis tools. Furthermore we support to perform own high profile research in close cooperation with the JCNS institutes in Jülich and Garching in the field of Quantum Materials and Collective Phenomena (JCNS-2).

Your tasks in detail:

- Support commissioning for restart, and the commissioning of options like ADR cryostat and BAMBUS multiplexing secondary spectrometer. Join the development of state-of-the-art data management and analysis for BAMBUS and ARIANE
- Provide local contact support for users of the neutron spectrometer PANDA of JCNS at MLZ
- Contribute to the instrument development of PANDA to meet future experimental

The job will be advertised until the position has been successfully filled. You should therefore submit your application as soon as possible. We look forward to receiving your application via our **Online-Recruitment-System!**

Questions about the vacancy?
Get in touch with us by using **our contact form.**
Please note that for technical reasons we cannot accept applications via email.
www.fz-juelich.de

challenges
- Develop your own scientific program in the framework of the JCNS institutes, offering a wide range of complementary methods
- Conduct and disseminate world-class research via publications and conferences as well as presentations in the fields mentioned above
- Represent and actively work on increasing the user base at MLZ

Your Profile:
- Masters degree with subsequent PhD degree in Physics, Magnetism, Quantum Phenomena or a related discipline
- Experience in the application of neuron scattering methods for the investigation of the structure and excitations in condensed matter systems, such as quantum magnets, thermoelectrics, etc.
- Experience and technical interest in neutron instrumentation
- A proven track record in inelastic neutron scattering research
- Experience in supervision and teaching at various levels
- Experience in acquiring third party funding
- Experience in communication with the general public and popularization of neutron scattering techniques
- Very good command of written and spoken English. For daily life at work and home we would like you to aquire German skills up to B2 level.
- Initiative character, creativity, good interpersonal, communication and presentation skills, result orientation and analytical skills
- Ability to work independently and as a team player in the PANDA team and at JCNS
- Readiness to work on-call-duty during the user operation periods

Our Offer:
We work on the very latest issues that impact our society and are offering you the chance to actively help in shaping the change! We support you in your work with:
- Exciting working environment on an attractive research campus, ideally situated close to the city of Munich
- The position represents an excellent opportunity to carry out research in condensed matter using neutron scattering in a multidisciplinary team at MLZ
- Promoting professional development through participation in national and international conferences and through various training programs
- Full-time position with the option of slightly reduced working hours
- 30 days of annual leave and provision for days off between public holidays and weekends (e.g. between Christmas and New Year)
- Targeted services for international employees, e.g. through our International Advisory Service

In addition to exciting tasks and a collaborative working atmosphere at Jülich, we have a lot more to offer: https://go.fzj.de/benefits

Place of employment: Garching (München)

We offer you an exciting and varied role in an international and interdisciplinary working environment. The position is initially for a fixed term of up to 3 years. Salary and social security benefits will conform to the provisions of the Collective Agreement for the Public Service (TVöD-Bund), pay group 13 -14, depending on your current qualifications and the precise nature of the tasks assigned to you. All information about the Collective Agreement for the Public Service (TVöD-Bund) can be found on the BMI website: https://go.fzj.de/bmi.tvoed The monthly salaries in euros can be found on page 66 of the

PDF download.

We welcome applications from people with diverse backgrounds, e.g. in terms of age, gender, disability, sexual orientation / identity, and social, ethnic and religious origin. A diverse and inclusive working environment with equal opportunities in which everyone can realize their potential is important to us.