

Associate Scientist / Scientist Position in Polarized Neutrons

Employer

China Spallation Neutron Source, the Institute of High Energy Physics with Chinese Academy of Sciences

Description of Institution

The China Spallation Neutron Source (CSNS) is the first spallation neutron source facility in developing countries. As one of the largest science and technology infrastructure projects in China, CSNS is expected to have positive effects in promoting science, high-tech development and national security. CSNS is located in Dongguan City, roughly 100km north of Hong Kong. It provides a powerful research platform for fundamental research and high-tech development in many fields, such as materials science and technology, physics, life sciences, chemistry, resources and environment, new energy, etc. CSNS completed its CD4 in August 2018 and has entered its operation phase. Currently CSNS operates 3 neutron instruments including a powder diffractometer, a SANS and a polarized neutron reflectometer, with another 17 instruments in planning.

Job description

The polarized neutron group has one opening for an Associate scientist / Scientist position. The successful candidate will lead part of the polarized neutron instrumentation work and polarized ^3He development. The successful candidate is expected to be a team lead of scientists, engineers, postdocs and students. The successful candidate must have demonstrated strong independent research capabilities. Candidates with one or more of the following experiences are highly desired

1. Design, debugging, operation and maintenance of polarized neutron instruments.
2. Polarized ^3He development and deployment
3. Neutron instrumentation
4. Optical pumping in atomic physics

Qualifications

The ideal candidate will have a Ph.D. degree in Physics, Material Sciences, Engineering or related fields with postdoc experience required. Priority will be given to candidates with experiences in large neutron facilities. The level of this position will be determined based on each candidate's qualifications.

What we can offer

The successful candidate will be a permanent staff (associate professor or professor) within the Institute of High Energy Physics. The successful candidate will receive competitive compensation with insurance, provided housing and other benefits. The successful candidate will also have the chance to lead a diverse team.

How to Apply

This position will be filled on a continual basis and will remain open until filled. Interested candidates should email their application letters along with their CV to Dr. Xin (Tony) Tong, tongx@ihep.ac.cn.