

Job title: Neutron technology development beam line station postdoctoral researcher

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

Location: Dongguan, Guangdong province, China

Introduction: China Spallation Neutron Source (CSNS) is a newly operational user facility that is open to the world, it includes twenty neutron instruments, three of them are on operation since 2018, eight of them are under construction and the rest will start the construction in this year, which includes a neutron technology development beam line station (NTDS). NTDS is the only test beamline of CSNS, it aims to test various neutron devices, such as neutron detectors, guides, choppers, polarized devices, and to orient single crystals, etc., which is necessary and important for the support of neutron device's development.

Job description for the responsibilities for this position:

The design and construction of the beam line.

Data analysis of the beam line terminal's test results and user's technical support.

Neutron new technology development and experimental verification.

We provide:

1. Competitive salary, health insurance, pension plan and inexpensive company accommodation. In 2021, the yearly gross salary for a postdoc is about 400k RMB (approximately 61k U.S dollars).
2. Clear career path.

Requested Profile:

1. The applicant must have obtained a PhD in physics or related field prior the time of this employment
2. Basic understanding of neutron or x-ray scattering theory
3. Desired: strong background experiences in Monte Carlo particle transport simulation softwares (such as Mcstats, MCNP, geant4, fluka etc.).

How to Apply:

This position will be filled on a continuous basis and will remain open until filled. Interested candidates should email their CV, to Dr. Ping Wang (wangping@ihep.ac.cn).