



The Paul Scherrer Institute, PSI, is with 1500 employees the largest research centre for natural and engineering sciences within Switzerland. We perform world-class research in three main subject areas: Matter and Material; Energy and the Environment; and Human Health. By conducting fundamental and applied research, we work on long-term solutions for major challenges facing society, industry and science.

The Paul Scherrer Institute is currently operating the world's highest intensity DC muon beams for particle physics and material research. For the next generation of experiments a further significant improvement is necessary. The Laboratory for Particle Physics plays an essential role in the development of the facility and in precision muon physics experiments.

For research within the Laboratory for Particle Physics we are looking for an

Experimental Physicist

Development of high-intensity muon beams and fundamental muon experiments (tenure track)

Your tasks

- You are expected to make major contributions to the feasibility study for the next high intensity muon beam line (HiMB) and to join one of the fundamental muon experiments
- Co-ordination of a small team working on the design of the HiMB beam line
- Beam line and Monte Carlo simulations
- Test measurements at existing and future beam lines at the PSI proton accelerator
- Participation and own research activities in the framework of one of the fundamental muon physics experiments of the laboratory
- Publication of results at international conferences and in scientific journals
- Supervision of PhD students, Master students and Postdocs

Your profile

- PhD in experimental particle physics
- In-depth practical experience in one or several particle physics experiments
- Active interest in both simulation and experimental work
- Excellent communication skills in English and working knowledge in German

For further information please contact Prof. Dr Klaus Kirch, phone +41 56 310 32 78, or Dr Stefan Ritt, phone +41 56 310 37 28.

Please submit your application online (including list of publications and addresses of referees) for the position as an Experimental Physicist (index no. 3203-01) under <http://www.psi.ch/pa/offenstellen/0433-1>.

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