

Position	Postdoctoral (Particle Physics, Engineering, Applied Science, Instrumentation)
Company	Institute for Particle Physics, ETH Zurich, Switzerland
Workplace	Zurich
Description	We offer a challenging Postdoctoral position at a renowned University working on an exciting new project to detect neutrons in challenging environments. The successful candidate would work within a small dynamic group, offering his valuable input to the decision making process and carrying a high level of individual responsibility. The candidate would have direct insight into an innovative ETH Spin-off company, as well as contact to national and international research groups and industry.
Education	<p><i>Your tasks</i> Collaboration in an innovative technical research project. The aim of the project is the development and field testing of a novel detector for neutron and gamma radiation. ETH Zurich as well as an ETH spin-off company are participating in this project. The successful candidate will be involved in the hardware, as well as software development and DAQ design of a novel radiation detector. The candidate will help supervise PhD students, inspect new technical solutions and test their feasibilities. The work furthermore implies engagement in the field test measurement campaign, data analysis and product development.</p> <p><i>Your profile</i> You hold a PhD in physics, mechanical engineering, instrumentation, or equivalent. Knowledge in particle physics detectors, radiation physics and detector physics are essential, as well as the ability to take over responsibility for PhD students. Experience in vacuum technology, construction of pressure vessels, and handling of pure pressurized gas would be an advantage. If you are a good team player with a sense of responsibility and communication skills in both German and English, this position will offer a great opportunity for you to develop your research career in an exciting and interdisciplinary environment.</p>
Entrance upon	by arrangement, earliest June 2009
Contact address	<p>For further information please get in touch with: Dr. Giovanna Davatz, Phone +41 (0)44 633 72 89 Email: davatz@phys.ethz.ch</p> <p>Please submit your application to: Dr. Giovanna Davatz, HPK F33, Institute for Particle Physics, ETH Zurich, Schafmattstr. 20, CH-8093 Zürich</p>
Link to the company	www.ipp.phys.ethz.ch ; www.arktis-detectors.com