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## **Seminar über Ultrafast Science and Technology**

**Referent:** Dr. Nina Mosimann, SPIEZ LABORATORY, Radioactivity Group, Federal Office for Civil Protection  
FOCP, 3700 Spiez

**Titel:** Gamma Spectrometry at SPIEZ LABORATORY

As the Swiss Federal Institute for nuclear, biological and chemical (NBC-) protection, SPIEZ LABORATORY deals with scientific and technical aspects of hazards associated with NBC incidents. In my talk I will present the various tasks of the four divisions of SPIEZ LABORATORY: Physics, Biology, Chemistry and NBC Protection. Special focus will be laid on the physics branch and the radioactivity group where I work on Gamma Spectrometry. The majority of natural radionuclides as well as most relevant fission and activation products emit gamma radiation. This makes gamma spectrometry a very important tool for nuclear forensics, field and sample measurements as well as for population monitoring both in case of normal and increased radiation levels. I will introduce the basic principles of this technique and report on the various fields of application established in our group.

**Zeit:** Donnerstag, 22.12.2016, 11:15 Uhr

**Ort:** **Hörsaal B116**, Gebäude exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz