

MSc Project opportunities with **Prof. Björn Penning's group**

Topics: **Dark Matter, Cryogenic Detectors,**
Quantum Sensors, Liquid Xenon, Superfluid Helium,
Underground Physics, Rare Events

List of Projects:

- Exploring metal **3D printing** for rare event search
- **Light sensor** test stand
- Light **attenuation measurement** system
- **Muon telescope** for Qrocodile/cryogenic R&D
- Cryogenic **scintillators**
- **Underground lab** background measurements
- Development of cost effective **radon detector**
- Robust **high dimensional modelling** of liquid xenon detectors

If interested **contact** any of the following:

Prof. Björn Penning - bjoern.penning@uzh.ch

Dr Nicolas Angelides - nicolas.angelides@uzh.ch

Dr Knut Dundas Morå - knut.moraa@uzh.ch

Dr Alex Kavner - alexander.kavner@uzh.ch

And check out the QR code for **more info**.

