

# Markus Bendele

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since 2012	<b>University of Rome “La Sapienza”, Italy</b> <b>Post Doctoral Research Fellow</b> Current research interests: superconducting and magnetic materials investigated by means of several X-ray techniques based on X-ray absorption, emission, and diffraction.
2012	<b>University of Zurich, Switzerland</b> <b>Post Doctoral Research Assistant</b>
2009-2012	<b>Paul Scherrer Institute (PSI), Switzerland</b> <b>Visiting Scientist and Researcher at SmuS</b>
2009-2011	<b>University of Zurich, Switzerland</b> <b>PhD student</b> PhD project: Studies of the magnetic and superconducting properties of the Fe(SeTe) family. I investigated the material with magnetization measurements, muon spin rotation, and neutron diffraction.
2008	<b>University of Ulm, Germany</b> <b>Research Assistant</b>
2007-2008	<b>University of Ulm, Germany</b> <b>Diploma Student</b> Diploma project: Growth and characterization of epitaxial FePt thin-films on MgB <sub>2</sub> substrates.
2004-2007	<b>University of Ulm, Germany</b> <b>Undergraduate Student</b>

## Acquired Grants

Swiss National Science Foundation for young researchers as Post Doctoral fellow at University of Rome “La Sapienza” (Grant No. PBZHP2\_143495)

## Selected Publications

- Coexistence of superconductivity and magnetism in FeSe<sub>1-x</sub> under pressure, M. Bendele, et al., Phys. Rev. B **85**, 064517 (2012).
- Anisotropic superconducting properties of single-crystalline FeSe<sub>0.5</sub>Te<sub>0.5</sub>, M. Bendele, et al., Phys. Rev. B **81**, 224520 (2010).
- Pressure Induced Static Magnetic Order in Superconducting FeSe<sub>1-x</sub>, M. Bendele, et al., Phys. Rev. Lett. **104**, 087003 (2010).