

High pressure investigations in molecular crystals

A post-doc position is available for an on-going project on *Chemical bonding and reactions in molecular crystals at high pressure*, a joint collaboration between the Paul Scherrer Institute (SLS-Material Science beamline) and the University of Bern (Department of Chemistry and Biochemistry).

The research involves X-ray diffraction at variable pressure and temperature, using laboratory and synchrotron radiation sources, and theoretical modeling using *ab initio* quantum mechanical techniques.

The ideal candidate holds a PhD in chemistry or physics, with a solid background on solid state physical chemistry. Previous experience with high pressure diffraction or spectroscopy is requested.

The candidate should be fluent in English. German is a plus. He/she shall be able to efficiently communicate results of the research in oral presentations and scientific papers.

The position is available immediately for 12 month. Extension is possible, depending on performances.

Applications will be accepted until the position is filled.

Applications (including the CV, a short research statement, and names of at least two scientists for reference) should be sent to:

Nicola Casati, *Swiss Light Source Powder Diffraction Station*, Paul Scherrer Institute, 5232 Villigen PSI (Switzerland)
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and/or

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