



The supervisory board of the Kestcells Project announces the Seminar FUB-03:

**Dates:** 11.12. 2014

**Place:** Helmholtz-Centre Berlin for Materials and Energy  
Department Crystallography, Germany

## X-ray absorption spectroscopy and its application to chalcopyrite and kesterite materials

*X-ray absorption spectroscopy (XAS) is a powerful tool for structural analysis of a wide range of materials. The seminar introduces the basic principles of XAS and presents an overview of the kind of information that can be obtained from XAS measurements. A discussion of the main experimental aspects includes synchrotron sources, measurement modes, sample preparation and data analysis. Different XAS studies of chalcopyrite and kesterite materials are presented as examples for specific applications highlighting the capabilities of the XAS technique.*

### **Program**

13:00 – 14:00	Basics of XAS
14:00 – 14:15	<i>Break</i>
14:15 – 15:15	Experimental aspects of XAS
15:15 – 15:45	<i>Break</i>
15:45 – 16:45	Applications of XAS to chalcopyrite and kesterite materials
16:45 – 17:00	Conclusions

### **Speaker:**

Dr. Claudia Schnohr, Friedrich-Schiller-University Jena, Department of Solid State Physics