



The Supervisory board of Kestcells Project announces the Seminar HZB-01

Characterization of thin film solar cell components by x-ray based spectroscopy

1.) Photo Electron Spectroscopy

Date: 23 May 2014

Location: HZB Berlin, Albert-Einstein-Str. 15, 12489 Berlin, Germany

Summary: The use of photo electron spectroscopy, using x-ray (XPS) and UV (UPS) excitation for the characterization of thin film solar cell components will be explored. Special emphasis will be on the determination of the chemical composition of surfaces and interfaces and on the analysis of band alignments between different layers of thin film devices by UV photo electron spectroscopy.

Program

Time	Subject	Speaker
10:00-10:30	Introduction	I. Lauermann
10:30-11:30	Basics of synchrotron radiation	W. Calvet
11:30-12:00	Break	
12:00-13:00	X-ray photo electron spectroscopy	I. Lauermann
13:00-14:00	Lunch	
14:00-15:00	Determination of band alignments by UV photo electron spectroscopy	W. Calvet
15:00-15:30	Questions and discussion	All participants