

CATACT Opening Workshop: EXAFS Course

Monday 18.09.2017

09:30	Welcome	J. Rothe
09:45	Introduction synchrotron based spectroscopy	H. Lichtenberg
10:30	Introduction EXAFS	J. Rothe
12:00	Calculations of XANES/HR-XANES spectra with the FEFF9 code	T. Vitova

12:30 Lunch at the canteen

13:30 Practice : EXAFS with Athena & Artemis

(Demeter v.25 installation on own laptop)

Athena & Artemis step by step. Demonstration for single shell fit

K. Dardenne

Practice with given or own examples - multiple shells fit

Open END around 17:00

N. Finck, A. Gaur, H. Lichtenberg, T. Prößmann, A. Zimina

Tuesday 19.09.2017

09:00 PyMca, XAFSmass and other helpers **T. Prößmann**

09:30 Practice : XAFS (XANES) with Athena

Linear combination fitting using Athena step by step

A. Gaur

Practice with own datasets or with given examples

K. Dardenne, N. Finck, H. Lichtenberg, T. Prößmann, A. Zimina

12:00 Lunch at the canteen

13:00 Practice Artemis / Athena with own XAFS datasets

Open END around 16:30

K. Dardenne, N. Finck, A. Gaur, H. Lichtenberg, T. Prößmann, A. Zimina