# New challenges and solutions for XAS data analysis, part I - MXAN code for XANES analysis

## April 8-11, 2014

| hour/day | April 8 | |
|---|---|---|
| 9.30-10.30 | Registration and coffee | |
| 10.30-10.50 | Opening and introduction | |
| 10.50-11.40 | Marta Avila, Wojciech Olszewski (ALBA) | BL22 â CLÃSS (Core Level Absorption & Emission Spectroscopies) status & near future upgrades |
| 11.40-12.10 | Giuliana Aquilanti (Elettra) | Details about XAFS beamline at Elettra |
| 12.10-12.40 | Diane Eichert (Elettra) | Details about X-ray fluorescence beamline at Elettra |
| 12.40-13.30 | Tadesse Abebaw Assefa, Alexander Britz (XFEL) | Tracking chemical reactions using combined time-resolved X-ray spectroscopies and scattering |
| 13.30-15.00 | lunch | |
| 15.00-15.30 | Anna Wolska | Introduction to X-ray Absorption and XANES |
| 15.30-17.00 | Keisuke Hatada | Introduction to MXAN |

| hour/day | April 9 | April 10 | April 11 |
|---|---|---|---|
| 10.00-11.30 | Examples of MXAN analysis | Interpretation of the results (Plotting, visualization of structure of molecules, etc) | Discussion on the results |
| 11.30-12.00 | coffee | coffee | coffee |
| 12.00-13.30 | Structure of input files in MXAN | Preparation of participants' own calculations | Last attempts and questions |
| 13.30-15.00 | lunch | lunch | lunch |
| 15.00-17.30 | Hands-on examples | Interpretation of the results | |
| 19.00-22.00 | | Get together | |

Location:
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Lecture Room D



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