



EIS-YAMBO round table

24-25 January 2017

AREA Science Park, 34149 Basovizza, Trieste

The MaX (Materials design at the Exascale) center, the Istituto per la Struttura della Materia of the CNR (CNR-ISM), the NEWLI project sponsor the first Yambo-EIS (Elastic and Inelastic Scattering beamline) Meeting.

Tuesday 24th

FEL experiments at the Elastic and Inelastic Scattering (EIS) beamline (FERMI)

by the EIS team

Morning

10:15 Emiliano Principi *"Introduction"*

10:30 Emiliano Principi *"Time-resolved sub-ps EUV absorption spectroscopy on condensed matter driven out of equilibrium"*

11:00 Riccardo Mincigrucci ***"Ultrafast absorption and reflectivity of nonequilibrium condensed matter in the EUV spectral range"***

11:30 Laura Foglia ***"Broadband time-resolved spectroscopies"***

12:00 Alberto Simoncig ***"Generation of coherent magnetic excitations in transition metal oxides driven by EUV FEL pulses"***

12:30 Visit to FERMI experimental hall

12:45 Lunch

Afternoon

YAMBO: The code and its potential use as an user-based tool
by Andrea Marini

14:00 ***"Equilibrium Many-Body techniques merged with Ab-Initio tools: the origin of the Yambo project"***

15:00 ***"The Yambo project: a broad and european-based environment for atomistic simulations"***

Wednesday 25th

YAMBO: The Non-Equilibrium and real-time features
by Andrea Marini

Morning

10:00 ***"Many-Body techniques taken out-of-equilibrium in an Ab-Initio framework: the Ab-Initio Non Equilibrium Green Function Techniques (Ai-NEGF)"***

11:00 ***"Non-Equilibrium observables and tools already available and ready for production"***

12:30 Lunch

Afternoon

14:00-16:00 Round Table: ***"Discussion on possible collaborations EIS-YAMBO"***