



Colloquium

25th April 2014 - 14:00
CFEL, Building 99, seminar rooms I-III

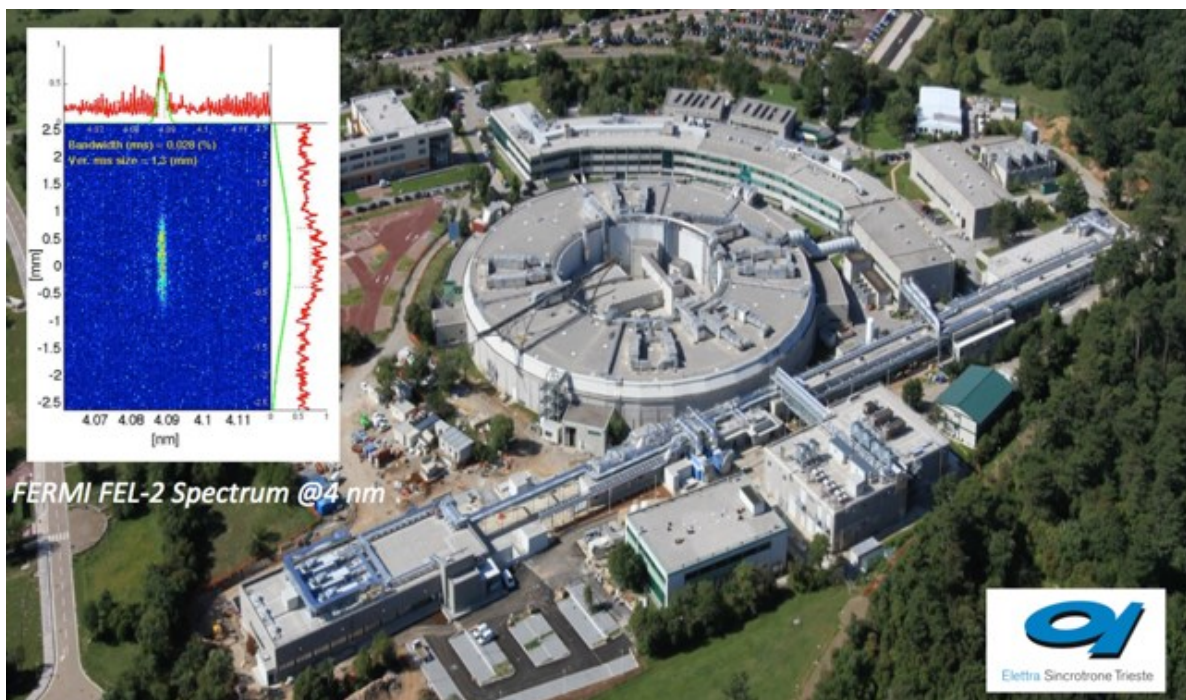
Luca Giannessi

FERMI @ Elettra, Trieste, Italy

FERMI – The first X-UV Ray externally seeded FEL facility

The FERMI seeded Free Electron Laser (FEL) is based on two complementary FEL lines, FEL-1 and FEL-2. FEL-1 is a single stage cascaded FEL delivering light in the 65-20nm wavelength range, while FEL-2 is a double stage cascaded FEL where the additional stage extends the frequency up-conversion to the spectral range of 20-4nm.

A general introduction on FELs and seeded sources will be followed by a summary of the main aspects and results achieved with the two FERMI FELs, together with some future possibilities opened by the increased control on the FEL process allowed by the interaction with the external seed.



Hosts: Henry Chapman + Andrea Cavalleri