

PROGRAMMA SHORT TERM MOBILITY – ANNO 2016

*Proponente:* Roberto Flammini

*Fruitore:* Roberto Flammini

*Istituto di afferenza del Fruitore:* ISTITUTO DI STRUTTURA DELLA MATERIA (ISM)

*Istituzione ospitante:* University of California Berkeley, Materials Sciences Division, Lawrence Berkeley National Lab

*Titolo del programma:* Study of topological insulators by means of the time-resolved ARPES technique

*Final Report:* Unfortunately due to family reasons the beneficiary of the Short Term Mobility Grant was prevented to stay the 3 weeks foreseen. Only 5 working days were completed (the weekend included). In those days, a visit of the Physics Department of the University California Berkeley, of the Lawrence Berkeley National Laboratory and of the Advanced Light Source (ALS) Synchrotron Radiation Source was done. In particular, the laboratory devoted to Time-resolved ARPES technique with which the candidate was expected to become friendly was visited.

The group led by Prof. A. Lanzara shares with the group leader Dr. E. Rotenberg the MAESTRO beamline, devoted to the nanoARPES technique. During a meeting at ALS then, we decided to perform nanoARPES measurements on a Graphene/SiN/Si sample carried from our laboratory in Rome. Measurements on this sample are in progress to investigate the electronic band structure of the said interface.