

**HERCULES 2018 : PRACTICALS AT ELETTRA/FERMI , Wednesday, March 21 (2:00-5:30pm)**

Installation	Beamlines	Instructors	Title	Date	Group	Studied material / topic
Elettra	Nanospectroscopy	Andrea Locatelli, Tevfik Onur Menteş, Francesca Genuzio	Spectral and magnetic imaging of graphene-capped thin films	21/03 pm	4A	Graphene, thin films
FERMI	T-ReX	Federico Cilento, Daniel Payne	Time- and Angle-Resolved Photoelectron Spectroscopy (TR-ARPES) measurements on complex materials	21/03 pm	5A	Bi <sub>2</sub> Se <sub>3</sub> or Bi <sub>2</sub> Te <sub>3</sub> or FeSe
Elettra	DXRL	Benedetta Marmiroli, Alessio Turchet	X-ray lithography to obtain microgears, replica of microstructures using a soft material	21/03 pm	6A	PMMA for X-ray lithography, PDMS for casting
FERMI	TeraFERMI	Andrea Perucchi, Nidhi Adhlakha, Paola Di Pietro	THz-induced transparency in Silicon	21/03 pm	3B	Nonlinear THz spectroscopy on Si
Elettra	SISSI	Lisa Vaccari, Giovanni Birarda	Infrared imaging and microscopy on hydrate cellular samples	21/03 pm	4B	Hydrate cellular sample