AARON BOSTWICK

Advanced Light Source, LBNL

MAESTRO, A NEW FACILITY FOR ARPES AT THE ALS

I'll give a brief report on the status of MAESTRO, the Microscopic and Electronic Structure Observatory—a new facility dedicated to imaging the electronic structures of in situ and ex situ prepared samples in both real and momentum space. It is a rebuild of the present sector 7 photoemission branchline (currently called the Electronic Structure Factory, or ESF) into the new MAESTRO facility with two photoemission branchlines and a dedicated insertion device. It includes the next-generation nanoARPES chamber for nanometer-scale photoemission and an upgrade of the current ESF system rebranded microARPES for 10um photoemission.