## **Electronic Structures of High-Temperature Cuprate Superconductors**

## Xingjiang Zhou

National Lab for Superconductivity, Institute of Physics, Chinese Academy of Sciences Beijing 100190, China

(E-mail: XJZhou@aphy.iphy.ac.cn)

In the lectures, I will introduce the present status of study on the electronic structure of high temperature cuprate superconductors. These include: (1) Band structure and Fermi surface, in particular the Fermi arc and Fermi pocket; (2) Energy gaps, including insulating gap, superconducting gap and pseudogap; (3) Many-body effects, in particular on how to extract bosonic spectral functions in the normal and superconducting state.