Frontiers in Inelastic X-Ray Scattering and Ultra-High Resolution Photoemission Studies of Strongly Correlated Electron Systems

Organizers : M. Zahid Hasan (Princeton Univ.) and Alessandra Lanzara (UC-Berkeley)

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Advanced Light Source, Lawrence Berkeley National Laboratory, Berkeley, Ca.

Inelastic X-ray Scattering (Chair : M.Z. Hasan)

8:30-8:55	"Momentum-Resolved IXS" **E.D. Isaacs** (Bell Labs, Lucent)
8:55-9:20	"Magnets for X-ray Scattering"**J.Crow/ M. Bird** (NHMFL)
9:20-9:45	"IXS with Future Sources" **D.E. Moncton** (Argonne Lab & MIT)
9:45-10:10	"Why Inelastic Softer ?" **M.Z. Hasan** (Princeton Univ.)
10:10-10:30	Coffee Break

Photoemission Spectroscopy (Chair : A. Lanzara)

10:30-11:00	"Modern Photoemission Spectroscopy - a Renaissance at 100 Years since Einstein's Photon." **Z.X. Shen** (Stanford Univ.)
11:00-11:30	"The Mystery of Doped Mott Insulators" **D.H. Lee** (UC-Berkeley)
11:30-12:00	TBA : **H. Siegmann** (Stanford Univ.)
12:00-1:00	Discussion/Lunch

meV Resolution Beamline (Chair : Z. Hussain)

1:00-1:15	"Project:General Overview" **Z. Hussain** (ALS/LBNL)
1:15-1:45	"meV resol. Beamline Design" **Y.-D. Chuang** (ALS & Princeton)
1:45-2:00	"Emission Spectrograph" **E. Gullikson** (CXRO/LBNL)
2:00-2:15	"Superconducting Magnet" **S. Prestemon** (Engineering/LBNL)
2:15-2:30	"Space Charge Effects in ARPES" **X.J. Zhou** (ALS & Stanford)
2:30-2:45	"Photoemission Endstation" **C. Jozwiak** (UC-Berekely)
2:45-3:30	Open Discussion
3:30-4:00	Coffee Break
4:00-5:00	Continued Discussion & Planning