

Conference Presentation (invited, oral)
Second Coordination Meeting on Predictive Capabilities for Strongly Correlated Systems
November 19-21, 2004
Oak Ridge, TN

Title & Abstract:

Neutron Scattering and Strongly Correlated Materials

Outline (in place of abstract):

1. Elementary aspects of (mostly magnetic) neutron scattering
 - Cross-sections, selection rules, correlation functions
2. Some applications of magnetic diffraction
 - Long and short range order, spin orientation, magnetization density
3. Some applications of inelastic scattering
 - Dispersion, polarization, energy scales
4. Guide to the perplexed
 - Cautions and encouragements to the experimentally challenged