# Triple-Axis Tutorial Agenda

February 16, 2010

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| 8:30 | Coffee/Introductions |
| 9:00 | Welcome and Introduction (Jeff Lynn) |
| 9:10 | Triple-axis basics (Jeff Lynn)<br>TAS technique<br>Choice of Instrument<br>Science examples |
| 10:15 | Break |
| 10:30 | Overview of triple-axis instruments at the NCNR (Songxue Chi)<br>BT-7, BT-9, SPINS, MACS |
| 10:45 | Samples and Sample Environment—what you need (Deepak Singh)<br>Elastic vs. Inelastic experiments<br>Powders and single crystals<br>Sample Environment equipment |
| 11:00 | Data Analysis—DAVE (William Ratcliff)<br>Elastic scattering. Corrections to data<br>Inelastic measurements. Corrections to data<br>Planning tools |
| 12:00 | Lunch |
| 12:58:30 | Group Photo |
| 1:00 | Facility Tour—NCNR capabilities (Jeff Lynn and Sung Chang) |
| 2:00 | Hands-on data analysis: Elastic scattering example<br>Magnetic structure and sublattice magnetization of $SrFe_2As_2$ |
| 3:15 | Break |
| 3:30 | Hands-on data analysis: Inelastic scattering example<br>Spin waves in the colossal magnetoresistive system $La_{0.7}Sr_{0.3}MnO_3$ |
| 4:45 | Summary and discussion |
| 5:00 | Course completion |


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