Ninth LANSCE Neutron Scattering School, September 2012 -- Soft Matter & Biology

	Wedneday 9/12/2012	Thursday 9/13/2012	Friday 9/14/2012	Saturday 9/15/2012	Sunday 9/16/2012	Monday 9/17/2012	Tuesday 9/18/2012	Wednesday 9/19/2012	Thursday 9/20/2012	Friday 9/21/2012	
730		Bus leaves hotel at 7:30									730
800		Badge Office -- Bus leaves hotel at 7:30	Bus leaves hotel at 8:00	Bus leaves hotel at 8:00	Excursion - Bandelier Natl. Monument -- Free Day Bus leaves hotel at 9:00 a.m.	Bus leaves hotel at 8:00	Bus leaves hotel at 8:00	Bus leaves hotel at 8:00	Bus leaves hotel at 8:00	Bus leaves hotel at 8:00	800
830		Welcome - **Rhyne** Logistics - **Conradson**	Chem. Synth. Of Deuterated Polymers - **Unkefer**	Char. Of polymers by scattering - **Londono**		Renewable Energy, cellulose - **Kent**	Water and Solution Structure - **Soper**	Molecular details of drug binding by neutrons - **Fisher**		Student Pres. 1	830
900		Overview - **Hjelm**	Connecting Meas. & Theory, Quantum Chem. - **Challacombe**						Neutron imaging, radiography - **Tremsin**	Student Pres. 2	900
915				Self assembly - **Brinker**		Renewable Energy - Ch4 clathrates - **Hickmott**	DFT of polymers - **Henson**	Colloid-mediated drug delivery & Therapy - **Hjelm**			915
930		The Scattering Measurement -- **Sivia**								Student Pres. 3	930
1000			Break	Break		Break	Break	Break	Break	Student Pres. 4	1000
1015		Break	Rev. Monte Carlo - **Shoemaker**	Renewable energy & Photovoltaics - **Moule**		Char., struc.,& rheology of colloids - **Nakatani**	Polymers and fluids in confinement - **Kuhl**	Drug formulations - **Yeager**			1015
1030		Neutron Scources and Instruments - **Rhyne**								Student Pres. 5	1030
1100		SANS - **Hjelm**	Model/Meas colloid interactions - **Reichardt**	Fuel cells and proton trans. Membranes - **Welch**		Green geo-energy extraction - responsive polymers & colloids - **Abdel-Fattah**	Neutrons for algal biofuels - **Fisher**	Opthalmic hydrogels - **Kapoor**	Fuel cell imaging - **Spernjak**		1100
1115		Reflectometry - **Majewski**								Discussion & Summary	1115
1130		Protein Crystallography - **Fisher**								Depart for Airport - Box Lunches Aramark	1130
1145		NPDF/HIPD/SMATS/HIPPO - **Llobet**	Theoret. Model. Light harvesting - **Tretiak**	Lunch TBD		Lunch Aramark	Lunch Aramark	Lunch Aramark	Lunch Aramark		1145
1200		FDS - **Daemen**									1200
1215		Neutron Imaging - **Mocko**	Lunch Aramark								1215
1230		Lunch Aramark									1230
1245				Semi-crystalline polymers and filled poly. - **Brown**		Enzymolo for biofuels, cellulosic ethanol - **Kovalevsky**	Polymer dynamics and mech. resp. - **Nakatani**	Ultra high resolution diffraction - **Chen**	Neutron spectroscopy and the H-bond - **Daemen**		1245
1300			Part. Local struc. - **Page**								1300
1330	Bus #1 Leaves ABQ	Introduction to Fourier Transforms - **Sivia**	Hands On Scattering Experiments PCS LQD NPDF SMARTS SPEAR FDS Neutron radiography	Hands On Scattering Experiments PCS LQD NPDF SMARTS SPEAR FDS Neutron radiography		Hands On Scattering Experiments PCS LQD NPDF SMARTS SPEAR FDS Neutron radiography	Hands On Scattering Experiments PCS LQD NPDF SMARTS SPEAR FDS Neutron radiography	Hands On Scattering Experiments PCS LQD NPDF SMARTS SPEAR FDS Neutron radiography	Preparation for Presentations		1330
1430		Fourier Transforms and analysis of SANS & NR data - **Sivia**									1430
1515		Break									1515
1530	Badge Office	Selection of practical exercises									1530
1545		Baysian data analysis - **Sivia**									1545
1600	Bus #2 Leaves ABQ										1600
1645		PDFs in total scat. & SANS - **Page/Hjelm**									1645
1715		Analy. Of powder diff. data, Rietveld - **Melot**									1715
1745		Assignment of labs									1745
1800	Reception and Dinner Fuller Lodge - Aramark Caters	Bus to Hilltop Hotel	Bus to Hilltop Hotel	Bus to Hilltop Hotel		Bus to Hilltop Hotel	Banquet Dinner TBD, Dinner speaker: **Jose Olivares**	Bus to Hilltop Hotel	Bus to Hilltop Hotel		1800
		Dinner	Dinner	Dinner		Dinner		Dinner	Dinner Homerun Pizza in Hotel		
2100							Bus returns to Hotel				

Notes: All Lectures are in the Pinon Conference room Bldg. 31 - TA53
Lunches and snacks will be at the Pinon conference room