

LCLS-II Scientific Opportunities Workshops - Agenda

Materials Physics Monday, February 9, 2015

Plenary in Kavli Auditorium

8:00 AM	<i>breakfast</i>	
8:30 AM	Welcome	<i>M. Dunne - LCLS</i>
8:45 AM	LCLS-II Status	<i>D. Schultz – SLAC</i>
8:50 AM	Workshop overview & charge, science examples, instrumentation R&D overview	<i>W. Schlotter – SLAC</i>
9:20 AM	<i>discussion</i>	
9:35 AM	LCLS-II capabilities & overview	<i>T. Raubenheimer – SLAC</i>
10:05 AM	<i>discussion</i>	
10:20 AM	<i>break</i>	
10:40 AM	Attosecond imaging with coherent, standing wave inelastic x-ray scattering	<i>Peter Abbamonte U. Illinois</i>
11:05 AM	<i>discussion</i>	
11:20 AM	Probing Uniaxial Compression States and Extreme Conditions with X-ray Lasers	<i>Justin Wark Oxford</i>
11:45 AM	<i>discussion</i>	
12:00 PM	Inelastic X-ray Scattering Opportunities at LCLS-II	<i>John Hill NSLS-II BNL</i>
12:25 PM	<i>discussion</i>	
12:40 PM	<i>lunch</i>	
2:10 PM	Soft Matter and the LCLS II: Mirrors and Smoke or Genuine Opportunities?	<i>Tom Russell U. Mass. Amherst</i>
2:35 PM	<i>discussion</i>	
2:50 PM	Coherent X-ray Scattering in Materials Physics	<i>Oleg Shpyrko U.C. San Diego</i>
2:50 PM	<i>discussion</i>	
2:50 PM	Introduction of breakout topics (~4 min. each)	
3:05 PM	<i>break</i>	
3:25 PM	Breakout Discussions in Research Office Bldg. (ROB) & Kavli Aud. (short talks, planning for day 2 etc.) <i>Three parallel sessions:</i> (1) Magnetism & spin dynamics ROB-A/B <i>Hermann Durr, Peter Fischer</i> (2) Correlated materials and charge-collective modes ROB-C/D <i>Z.X. Shen, Tom Devereaux, Zahid Hussain</i> (3) Materials physics – nanoscale structure and heterogeneity Kavli Aud. <i>Aymeric Robert, David Reis, Steve Kevan</i>	
5:25 PM	<i>session end</i>	
5:50 PM	<i>workshop dinner - SLAC host (ROB)</i>	

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Materials Physics Tuesday, February 10, 2015

Plenary in ROB-A/B/C/D

8:00 AM	<i>breakfast</i>	
8:30 AM	Magnetism on the time and length scale of the exchange interaction	<i>Theo Rasing Radboud U. Nijmegen</i>
8:55 AM	<i>discussion</i>	
9:10 AM	Collective structural and electronic dynamics monitored with x-rays	<i>Keith Nelson MIT</i>
9:35 AM	<i>discussion</i>	
9:50 AM	<i>break</i>	
10:20 AM	continued breakout discussions in Research Office Bldg. (ROB) & B41 Three <i>parallel sessions</i> : (1) Magnetism & spin dynamics ROB-A/B <i>Hermann Durr, Peter Fischer</i> (2) Correlated materials & charge-collective modes ROB-C/D <i>Z.X. Shen, Tom Devereaux, Zahid Hussain</i> (3) Materials physics – nanoscale structure & heterogeneity B41-Napa <i>Aymeric Robert, David Reis, Steve Kevan</i>	
12:30 PM	<i>lunch</i>	
1:30 PM	continued breakout discussions (three parallel sessions) preparation of closeout slides and written materials	
3:40 PM	<i>break</i>	
4:00 PM	<i>Plenary Closeout Session</i> in Kavli Auditorium	
4:00 PM	<i>Closeout - Breakout #1</i>	
4:20 PM	<i>discussion</i>	
4:30 PM	<i>Closeout - Breakout #2</i>	
4:50 PM	<i>discussion</i>	
5:00 PM	<i>Closeout - Breakout #3</i>	
5:20 PM	<i>discussion</i>	
5:30 PM	<i>workshop end</i>	