Science, Mathematics And Research Training+

“K12 High School Science Education Outreach”
http://ultracold.uchicago.edu/SMART2015

Kersten Physics Teaching Center (KPTC)
5720 South Ellis Avenue
Chicago, IL 60637

Number of Students: 15
Date: July 16-21, 2015

Organizer Contact: Cheng Chin: (773) 702-7192, cchin@uchicago.edu
Eileen Sheu: (773) 834-9916, esheu@uchicago.edu
Athena Frost: (773) 916-7803, frost.athena@gmail.com

Agenda:

Thursday, July 16

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>9:45 am</td>
<td>Arrival and Breakfast</td>
<td>KPTC 206</td>
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<tr>
<td>10:00 am</td>
<td>Topic 1: Light and Matter</td>
<td>KPTC 213</td>
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<tr>
<td></td>
<td>(Lei Feng and Nicholas Kowalski)</td>
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<tr>
<td>11:00 am</td>
<td>Topic 2: Interpreting the Sky</td>
<td>KPTC 213</td>
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<td>(Lei Feng and Nicholas Kowalski)</td>
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<tr>
<td>11:50 am</td>
<td>Lunch</td>
<td>KPTC 206</td>
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<tr>
<td>12:20 pm</td>
<td>Chin Group Lab Tour</td>
<td>ESB 11</td>
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<tr>
<td></td>
<td>(Harry Ha and Gustaf Downs)</td>
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<tr>
<td>1:00 pm</td>
<td>Solar Spectroscopy (Mark Chantell)</td>
<td>KPTC 208</td>
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<td></td>
<td>(Assistants: Lei Feng and Nicholas Kowalski)</td>
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</tr>
<tr>
<td>4:00 pm</td>
<td>Departure</td>
<td>5720 S. Ellis Avenue</td>
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Friday, July 17

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<td>9:45 am</td>
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<tr>
<td>10:00 am</td>
<td>Introduction to 3D Printing</td>
<td>KPTC 213</td>
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<tr>
<td>11:30 am</td>
<td>Introduction to High Speed Imaging</td>
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<tr>
<td>12:15 pm</td>
<td>Lunch</td>
<td>KPTC 206</td>
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<tr>
<td></td>
<td>(Assistants: Tyler Johnson and Frankie Fung)</td>
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<tr>
<td>1:00 pm</td>
<td>High Speed Imaging and 3D Printing</td>
<td>KPTC 213</td>
</tr>
<tr>
<td>4:00 pm</td>
<td>Departure</td>
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Saturday, July 18  
**Observatory Tour (Athena Frost)**  
(assistants: Jacob Johansen and April)

- **1 pm**  
  Meet at U of C (Gordon Center)
- **1:45 pm**  
  Arrive at Adler Planetarium
- **5 pm**  
  Dinner in front of Adler
- **6 pm**  
  Leave Adler
- **8 pm**  
  Yerkes Observatory
- **8:30 pm**  
  Star Gazing
- **12:00 am**  
  Arrive U of C (Gordon Center)  
  (inform parents the schedule)

Location

929 E. 57th Street

Monday, 7/20  
**Lab Demo. + Argonne National Lab Tour**  

- **9:45 am:** Arrival and breakfast  
  KPTC 206
- **10:00 ~ 10:50 am:** Experiment and demonstration (I)  
  (Skyler Degenkolb, Jonathan Trisnadi)
- **11:00 ~ 11:50 am:** Experiment and demonstration (II)  
  (Skyler Degenkolb, Jonathan Trisnadi)
- **11:50 ~ 12:30 pm:** Lunch with Bryan Wiggins  
  KPTC 206
- **12:45 pm:** Bus to Argonne National Laboratory  
  (Rajan Arggawal)
- **1:45 ~ 4:45 pm:** Argonne National Laboratory Tour  
  Argonne National Lab  
  (Argonne contact person: Pat Canaday 630-252-5562)  
  Lemont, IL
- **4:45 pm:** Departure
- **5:45 pm:** Arriving Hyde Park  
  5720 S. Ellis Avenue

Location

Tuesday, 7/21  
**Experiment + Lab Tours + BBQ**  

- **9:45 pm:** Arrival and breakfast  
  KPTC 206
- **10:00 am:** Holography experiment (Jonathan Simon)  
  (Frankie Fung and Tyler Johnson)
- **12:00 pm:** Lunch with REU students  
  KPTC 206
- **1 pm:** Lab tour 1: *Moria Flanagan* (Engel group)  
  ESB 36
- **2 pm:** Lab tour 2: *Andrzej Latka* (Nagel group)  
  ESB 36
- **3 ~ 5 pm:** BBQ party  
  (Everybody and parents are welcome.)

Location

KPTC 206 and balcony

Updated: 06/01/15