

Union College Physical Constants Workshop

For High School Physics Teachers and Students

December 6, 2008

Time	Event
8:00 - 8:50 AM	Registration and continental breakfast in N308 of the Science & Engineering Center
8:50 - 9:00 AM	Welcome
9:00 - 10:00 AM	Experiment session 1
10:00 - 11:00 AM	Experiment session 2
11:00 - 12:00 Noon	Experiment session 3
12:00 - 1:00 PM	Lunch
1:00 - 2:00 PM	Experiment session 4
2:00 - 3:00 PM	Experiment session 5
3:00 - 4:00 PM	Experiment session 6
4:00 - 4:30 PM	Closing and presentation of certificates
4:30 - 5:00 PM	Optional observatory session

Please begin with the experiment listed for your group in the table below and then proceed to the next experiment in order. We want to avoid having too many people in one lab at the same time. Thank you!

Exp.#	Experiment	Supervisor	Room	Group
1	Mass of the Earth	Reich	N300	North Shore
2	The Charge of the Electron	Vineyard	N303	Guilderland 1
3	Planck's Constant and the Photoelectric Effect	Orzel	N304	Bouton
4	The Charge-to-Mass Ratio of the Electron	Wilkin	N112	Mohonasen
5	Rutherford Scattering	LaBrake	N008b	CBA/ Guilderland 2
6	Scanning Electron Microscopy	Maleki	Butterfield Hall 205	Saratoga Springs

High School Participants

- North Shore High School
 - Nicole Sabbatino
 - * Bryanna Mazzella
 - * Eric Ohman
- Guilderland High School
 - Richard Arnold
 - * Jean Kang
 - * Alex Metzger
 - * Lauren Peters
 - * Liz Simon
 - * Jeff Wen
 - * Bing Zhang
- Clayton A. Bouton High School
 - Ted Simons
 - * William Miranda
 - * Alison Schenmeyer
 - * Connor Tompkins
- Mohonasen High School
 - Gerry Garing
 - * Joshua Bradt
 - * Cherry Chahal
 - * Cory Larmour
- Christian Brothers Academy
 - Kris Darlington
- Saratoga Springs High School
 - Steve Cotts
 - * Stephen Albright
 - * Timothy Lynch
 - * Ethan Myers

Union Faculty Participants

- Samuel Amanuel
- Scott LaBrake
- Seyffie Maleki
- Chad Orzel
- Gary Reich
- Mike Vineyard
- Francis Wilkin

Union Student Participants

- Brandon Bartell
- Tom Perry

Union Alumni Participant

- Justin King, Commack High School