

CROP Summer Workshop Agenda



Wednesday, May 28th 2014

Thursday, May 29th 2014

Time	Activity	Location	Time	Activity	Location
9:00 – 9:30	Participants arrive, nametags.	JH 136	9:30 – 10:30	Phototubes and Scintillators.	JH 136
9:30 – 9:40	Welcome and review agenda.	JH 136	10:30 – 10:40	Break	
9:45 – 10:40	Calorimetry & Showers.	JH 136			
9:40 - 10:45	CROP Pre-tests and Survey*.	JH 145	10:40 – 12:00	Labwork: Parallel Sessions:	
10:40 – 10:55	Break		Gro	up 1 - Station B Grou	p 2 – Station A
10:55 – 12:00	Cosmic Rays Signals & Background.	JH 136	Gro	up 3 – Station D Grou	p 4 – Station C
12:00 – 1:00	Lunch	JH Atrium	12:00 – 1:00	Lunch	JH Atrium
1:00 – 1:45	CROP Data Acquisition Software and Data Analysis Tools.	JH 136	1:00 – 2:00	Cosmic Rays Spectrum.	JH 136
1:45 – 2:00	Break		2:00 – 2:05	Break	
2:00 – 3:15	Labwork: Parallel Sessions:		2:05 – 3:20	Labwork: Parallel Sessions:	
Grou	up 1 - Station A Group 2 -	Station B	Gro	up 1 - Station C Grou	p 2 – Station D
Grou	up 3 – Station C Group 4 –	Station D	Gro	up 3 – Station A Grou	p 4 – Station B
3:15 – 4:15	Special topics and Q&A: Quantum Mechanics. (Dr. Claes)	JH 136	3:20 – 4:20	Special topics and Q&A: Einste Special Relativity. (Dr. Snow)	in's JH 136
4:15	Adjourn		4:20	Adjourn	

Friday, May 30th 2014

Time Activity Location

9:30 – 10:50 Labwork: Parallel Sessions: JH 136

Group 1 - Station D	Group 2 – Station C

Group 3 – Station B	Group 4 – Station A
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3:30	Adjourn and Clean Up	
3:00 – 3:30	Returning teachers Q&A session*	JH 145
3:05 – 3:30 Q&A		JH 136
2:05 – 3:05	Counting Experiments and Statistics	JH 136
2:00 – 2:05	Break	
1:00 – 2:00 Array Experiments: Analyzing Experiment Data.		
12:00 – 1:00	Lunch	JH Atrium
11:30 – 12:00	Mini Experiment Set-up	
11:00 – 11:30	Charged Particles in Matter.	JH 136
10:50 – 11:00	Break	

Lab Work Stations

Station A – JH 141

Scintillators, and Light-Leak Testing: single rates & coincidences Shelby and Dr. Snow

Station B – JH 137

Oscilloscope Lessons Activities.

Savanna and Phillip

Station C - JH 111

Threshold Scans with DAQ Card and LabView Software Soundar and Michael Angelo

Station D – JH 131

Efficiency Scans.
Aniruddha and Dr. Claes

Groups/Schools

Group 1 – Pius X High, Pleasanton High

Group 2 – Mount Michael High, Loup City High

Group 3 – Southwest High

Group 4 – Omaha central High, Acceleré

Special Sessions*					
9:40 – 9:55	CROP Pre-Survey.	JH 145			
9:55 – 10:45	CROP Background survey/pre-test.	JH 145			
3:00 – 3:30	Returning teachers Q&A session	JH 145			