



CROP Fall Saturday Workshop Saturday, September 13th 2014

Time	Activity	Location
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8:30 – 9:00	Participants arrive, paperwork, nametags	JH 136
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9:00 – 9:10	Welcome and review agenda	JH 136
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9:10 – 10:00

Only for new participants: At JH110

- Pre-workshop assessments & background survey - *Marisol*

At JH111, JH131, JH137 and JH141

- Lab activity set up – lab rooms

10:00 – 10:50

Only for new participants: At JH 110

- Scintillators and phototubes & Oscilloscope Activities (30 min) - *Zack, Savanna*
- CROP Data Acquisition Software and CROP website (20 min) - *Soundar*

At JH136 & JH111, JH131, JH137 and JH141

- The Particle Zoo (40 min) - *Dr. Claes*
- Lab activity: run check (10 min)

10:50 – 10:55

Break

10:55 – 12:00

Only for new participants: At JH110

- History of cosmic rays and particles (35 min) – *Dr. Claes*

At JH136 & JH111, JH131, JH137 and JH141

- Data Analysis: Statistical error (25 min) – *Dr. Snow*
- Lab activity: run check (10 min)

Calorimetry & Showers: The world's collider detectors (30 min) – *Dr. Snow* JH 136

12:00 – 1:00

- Lab activity: run check (10 min)

Lunch

JH Atrium

1:00 – 2:00

Guest speaker **Ron Synowicki** from J.A. Woollam Co.

JH 136

2:00 – 2:10

Break

- Lab activity: **Last** run check and **STOP!** (10 min)

2:15 – 3:00

Lab run results data collecting and analysis

JH 136

3:00 – 3:45

Lab run data summary and report

JH 136

3:45

Wrap up and Q&A

JH 136