

# **IOP 2014 Joint HEPP & APP Group Meeting**

**Monday 07 April 2014 - Wednesday 09 April 2014**

**Royal Holloway, University of London**  
**Programme**

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# Monday 07 April 2014

## **Registration - Windsor Building Foyer (10:30-12:30)**

## **Lunch - Windsor Building Foyer (12:30-13:30)**

## **Plenary 1: The Energy Frontier Programme - Windsor Building Auditorium (13:30-15:45)**

time	title	presenter
13:30	The Status of Standard Model Measurements at the LHC	Dr. NURSE, Emily
14:05	The Status of Beyond Standard Model Searches at the LHC	Dr. FLAECHEER, Henning
14:40	The Status of the LHC Higgs Programme	Prof. MURRAY, William
15:15	125 GeV Higgs, Now What?	Dr. QUIGG, Chris

## **Coffee - Windsor Building Foyer (15:45-16:15)**

## **Plenary 2: The Cosmic Frontier Programme - Windsor Building Auditorium (16:15-18:30)**

time	title	presenter
16:15	PLANCK	Dr. CHALLINOR, Anthony
16:45	Gamma Ray Astronomy	Prof. CHADWICK, Paula
17:15	Dark Matter Direct Detection	Dr. NIKKEL, James
17:40	Cosmology: What Will the Next Big Discovery Be?	Prof. FREESE, Katherine

## **Reception - Founders Building Picture Gallery (18:30-21:00)**

## Tuesday 08 April 2014

### **Plenary 3: Flavour Physics - Windsor Building (08:30-10:00)**

time	title	presenter
08:30	Status of Quark Flavour Physics	Prof. MUHEIM, Franz
09:00	Probing New Physics through Flavour Violation	Dr. GOUDZOVSKI, Evgueni
09:20	Electric Dipole Moments, Recent Results and Prospects	Dr. GRIFFITH, Clark

### **Coffee - Windsor Building Foyer (10:00-10:30)**

### **Plenary 4: The Neutrino Sector - Windsor Building Auditorium (10:30-12:00)**

time	title	presenter
10:30	Long Baseline Neutrino Oscillation Results from Current Experiments	Dr. O'KEEFFE, Helen
11:05	Neutrino Mass Searches with Beta Decay Experiments	Dr. HARTNELL, Jeff
11:35	Neutrino Particle Astrophysics	Dr. NICHOL, Ryan

### **HEPP Group AGM - Windsor Building (12:00-13:00)**

### **Lunch - Windsor Building Foyer (12:00-13:00)**

### **Parallels 1 - Windsor Building (13:00-15:30)**

### **Coffee - Windsor Building Foyer (15:30-16:00)**

### **Parallels 2 - Windsor Building (16:00-18:30)**

time	title	presenter
16:00	Coffee	

### **Conference Banquet - (19:00-22:30)**

## Wednesday 09 April 2014

### **Plenary 5: Near-Future Prospects - Windsor Building Auditorium (08:30-10:30)**

time	title	presenter
08:30	LHC Detector Upgrades	Prof. HALL, Geoff
08:55	The Next-Generation Particle Accelerator	Dr. ZIMMERMANN, Frank
09:25	Future Long Baseline Neutrino Oscillation Experiments and Detectors	Dr. WASCKO, Morgan
09:55	Gravitational Wave Detection Prospects	Prof. ROWAN, Sheila

### **Coffee - Windsor Building Foyer (10:30-11:00)**

### **Plenary 6: Far-Future Programme - Windsor Building Auditorium (11:00-12:30)**

time	title	presenter
11:00	Why do we live in a Matter Dominated Universe?	Prof. PASCOLI, Silvia
11:30	Particle Theory: Where We Go From Here	Prof. MARCH-RUSSELL, John
12:00	Accelerators: How Do We Get to 100 TeV?	Dr. SHILTSEV, Vladimir

### **APP Group AGM - Windsor Building (12:30-13:30)**

### **Lunch - Windsor Building Foyer (12:30-13:30)**

### **STFC Town Meeting - Boilerhouse Auditorium (14:00-17:30)**