

**Session Program**

**16 September 2017**

**4th PIKIO Meeting (16 September 2017)**

***Afternoon Session 1***

University of Kentucky, W. T. Young Library Auditorium  
401 Hilltop Avenue Lexington, KY 40506

# Friday 15 September

13:00

## Afternoon Session 1

**Session** |**Location:** University of Kentucky, W. T. Young Library Auditorium, 401 Hilltop Avenue Lexington, KY 40506 |**Convener:** Christopher Crawford

13:00–13:40

### Effective field theory of the proton and applications to dark matter, neutrinos and atoms

**Speaker**

Richard Hill

13:40–14:00

### Rare Physics at the Intensity Frontier

**Speaker**

Gabriel Magill

14:00–14:20

### Constraints on light $Z'$ models with flavor changing couplings

**Speaker**

Tatsu Takeuchi

14:20–14:30

### Long Range Ion Tracking in XENON1T

**Speaker**

Abigail Kopec

14:30–14:40

### pp Solar Neutrino Analysis in the XENON1T Detector

**Speaker**

Fan Zhang

14:40