

## **Session Program**

**25-30 Sept 2016**



## **Hadronic Contributions to New Physics Searches**

### ***Proton charge-radius puzzle***

Puerto de la Cruz, Tenerife, Spain  
Hotel Las Aguilas, C/Doctor Barajas 19, 38400 Puerto de la Cruz, Tenerife

# Friday 30 September

09:00

## Proton charge-radius puzzle

Session

09:00–09:35

### Measuring the proton size with muonic hydrogen

**Speaker**

Randolf Pohl

09:35–10:10

### Extractions of the proton and deuteron charge radii from scattering experiments

**Speaker**

Keith Griffioen

10:10–10:45

### Model-independent Calculations of Proton Structure Effects in Muonic Hydrogen

**Speaker**

Mrs Franziska Hagelstein

10:45

11:15

## Proton charge-radius puzzle: Proton structure and new physics

Session

11:15–11:50

### The Lamb shift in muonic hydrogen and the proton radius from effective field theories

**Speaker**

Antonio Pineda

11:50–12:25

### Chiral perturbation theory of muonic hydrogen

**Speaker**

Vadim Lensky

12:25–13:00

### Qweak and searches of new-physics in parity-violating e p scattering

**Speaker**

Ross Young

13:00–13:35

### Radiative corrections to low-energy processes

**Speaker**

Misha Gorchtein

13:35