

## **Session Program**

**18-19 Dec 2019**

# **YTF 12**

## ***Parallel Session 1***

Centre for Particle Theory, Durham  
IPPP & Dept. Mathematical Sciences Durham University South Road Durham DH1 3LE

# Wednesday 18 December

14:45

## Parallel Session 1: Phenomenology

**Session** | **Location:** Department of Mathematical Sciences, CM101 | **Convener:** Ryan Moodie

14:45–15:15 **Leptoquark Pair Production at Future Colliders**

**Speaker**  
Maeve Madigan

15:15–15:45 **Muon and electron  $g-2$  in a  $Z'$  model with vector-like fermions**

**Speaker**  
Sam Rowley

15:45–16:15 **Lifetimes of charmed hadrons**

**Speaker**  
Christos Vlahos

16:15

14:45

## Parallel Session 1: Quantum gravity 1

**Session** | **Location:** Department of Mathematical Sciences, CM107 | **Convener:** Connor Armstrong

14:45–15:15 **Can you regularise gravity on a supermanifold?**

**Speaker**  
Matthew Kellett

15:15–15:45 **A novel approach to perturbatively renormalizable quantum gravity**

**Speaker**  
Mr Alex Mitchell-Lister

15:45–16:15 **Quantum Gravity - No Strings Attached!**

**Speaker**  
Axel Polaczek

16:15