

INTERNATIONAL PARTICLE PHYSICS MASTERCLASS

Thursday 28th March 2019, 09:30 – 16:00
Institute for Particle Physics Phenomenology,
Durham University

$$\zeta(z) = \sum_{n=1}^{\infty} \frac{1}{n^z}$$

09:00 – 09:30

Registration

09:30 – 09:35

Welcome

Organizing Committee

09:35 – 10:10

What is the world made of?

An introduction to Particle Physics

Prof. Alexander Lenz

10:10 – 10:45

How can we see elementary particles?

An introduction to the Large Hadron Collider

Dr. Gurpreet Singh Chahal

11:00 – 11:45

The W-boson at the ATLAS experiment

How do we discover new particles?

Christos Vlahos

12:45 – 14:45

Hands-on activity

Working with the existing LHC data

$$z(1, 1, 2)$$

15:00 – 16:00

Sharing your findings

Videoconference with four other institutions

16:00 – 16:10

Farewell

The Organizing Committee:

Lucy Budge, Gurpreet Singh Chahal, Alexander Lenz, Aidin Masouminia

Register here!



Durham
University

