

Session Program

18-19 Dec 2019

YTF 12

Parallel Session 4

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

Thursday 19 December

11:30

Parallel Session 4: Cosmology/Strings

Session | **Location:** Department of Mathematical Sciences, CM101 | **Convener:** Francesco Sarandrea

11:30–12:00

Detecting Gravitational Waves from the Early Universe

Speaker

Chloe gowling

12:00–12:30

Sub-Planckian ϕ^2 Inflation with an R^2 term in the Palatini formalism

Speaker

Ms Amy Lloyd-Stubbs

12:30–13:00

Classification of $N=1$ heterotic string vacua and towards $N=0$ classification

Speaker

Benjamin Percival

13:00

11:30

Parallel Session 4: Non-perturbative QFT

Session | **Location:** Department of Mathematical Sciences, CM107 | **Convener:** Theresa Abl

11:30–12:00

Resurgence and Picard-Lefschetz theory in Quantum Field Theory

Speaker

Mr Philip Glass

12:00–12:30

A bogomol'nyi equation for magnetic skyrmions

Speaker

Brunno Barton-Singer

12:30–13:00

Resurgence in the Bi-Yang-Baxter model

Speaker

Lucas Schepers

13:00