

The 2025 STFC HEP Summer School

Report of Contributions

Contribution ID: 1

Type: **not specified**

QFT (I)

Monday 1 September 2025 09:10 (40 minutes)

Session Classification: QFT

Contribution ID: 2

Type: **not specified**

QFT (2)

Monday 1 September 2025 10:00 (50 minutes)

Session Classification: QFT

Contribution ID: 3

Type: **not specified**

QED/QCD (1)

Monday 1 September 2025 11:20 (50 minutes)

Session Classification: QED/QCD

Contribution ID: 4

Type: **not specified**

QFT (3)

Monday 1 September 2025 16:30 (50 minutes)

Session Classification: QFT

Contribution ID: 5

Type: **not specified**

QED/QCD (2)

Monday 1 September 2025 17:30 (50 minutes)

Session Classification: QED/QCD

Contribution ID: 6

Type: **not specified**

QED/QCD (3)

Tuesday 2 September 2025 09:00 (50 minutes)

Session Classification: QED/QCD

Contribution ID: 7

Type: **not specified**

QED/QCD. (4)

Tuesday 2 September 2025 10:00 (50 minutes)

Session Classification: QED/QCD

Contribution ID: 8

Type: **not specified**

QFT (4)

Tuesday 2 September 2025 11:20 (50 minutes)

Session Classification: QFT

Contribution ID: 9

Type: **not specified**

QED/QCD (5)

Tuesday 2 September 2025 17:30 (50 minutes)

Session Classification: QED/QCD

Contribution ID: **10**

Type: **not specified**

QFT (5)

Wednesday 3 September 2025 09:00 (50 minutes)

Session Classification: QFT

Contribution ID: **11**

Type: **not specified**

QFT (6)

Wednesday 3 September 2025 10:00 (50 minutes)

Session Classification: QFT

Contribution ID: **12**

Type: **not specified**

QED/QCD (6)

Wednesday 3 September 2025 11:20 (50 minutes)

Session Classification: QED/QCD

Contribution ID: **13**

Type: **not specified**

QFT (7)

Wednesday 3 September 2025 17:30 (50 minutes)

Session Classification: QFT

Contribution ID: **14**

Type: **not specified**

QED/QCD (7)

Thursday 4 September 2025 09:00 (50 minutes)

Session Classification: QED/QCD

Contribution ID: 15

Type: **not specified**

QED/QCD (8)

Thursday 4 September 2025 10:00 (50 minutes)

Session Classification: QED/QCD

Contribution ID: **16**

Type: **not specified**

QFT (8)

Thursday 4 September 2025 11:20 (50 minutes)

Session Classification: QFT

Contribution ID: 17

Type: **not specified**

SM (1)

Thursday 4 September 2025 17:30 (50 minutes)

Session Classification: Standard Model

Contribution ID: **18**

Type: **not specified**

SM (2)

Friday 5 September 2025 09:00 (50 minutes)

Session Classification: Standard Model

Contribution ID: **19**

Type: **not specified**

SM (3)

Friday 5 September 2025 10:00 (50 minutes)

Session Classification: Standard Model

Contribution ID: **20**

Type: **not specified**

SM (5)

Monday 8 September 2025 09:00 (50 minutes)

Session Classification: Standard Model

Contribution ID: **21**

Type: **not specified**

SM (6)

Monday 8 September 2025 10:00 (50 minutes)

Session Classification: Standard Model

Contribution ID: 22

Type: **not specified**

SM (7)

Session Classification: Standard Model

Contribution ID: **23**

Type: **not specified**

SM (8)

Tuesday 9 September 2025 11:20 (50 minutes)

Session Classification: Standard Model

Contribution ID: 24

Type: **not specified**

Career discussion session

Thursday 11 September 2025 16:00 (1 hour)

This event will be run largely as a Q&A session, chaired by Dr Sarah Williams (Cambridge).

5 panel members:

- Dr Chery Patrick (Edinburgh, Neutrino)
- Professor Andy Buckley (Glasgow, ATLAS)
- Dr Sudan Paramesvaran (Bristol, CMS/DUNE/instrumentation)
- Dr Adam Ruby (Data Science Assistant Manager at PMG, previously ATLAS @ Liverpool)
- Dr Jack Holguin (Manchester, theorist)

Contribution ID: 25

Type: **not specified**

Collider Phenomenology (1)

Contribution ID: 26

Type: **not specified**

Collider Phenomenology (2)

Tuesday 9 September 2025 13:00 (50 minutes)

Session Classification: Self or Group Study

Contribution ID: 27

Type: **not specified**

Collider Phenomenology (3)

Contribution ID: **28**

Type: **not specified**

Neutrino (2)

Contribution ID: **29**

Type: **not specified**

Neutrino (3)

Contribution ID: **30**

Type: **not specified**

DM and Cosmology (2)

Thursday 11 September 2025 17:30 (50 minutes)

Session Classification: Dark Matter and Cosmology

Contribution ID: **31**

Type: **not specified**

DM and Cosmology (1)

Wednesday 10 September 2025 11:20 (50 minutes)

Session Classification: Dark Matter and Cosmology

Contribution ID: 32

Type: **not specified**

DM and Cosmology (3)

Friday 12 September 2025 11:20 (50 minutes)

Session Classification: Dark Matter and Cosmology

Contribution ID: 33

Type: **not specified**

Collider Phenomenology (5)

Contribution ID: 34

Type: **not specified**

Collider Phenomenology (6)

Contribution ID: 35

Type: **not specified**

Collider Phenomenology (4)

Contribution ID: **36**

Type: **not specified**

Neutrino (4)

Contribution ID: 37

Type: **not specified**

Dark Matter and Cosmology

Contribution ID: **38**

Type: **not specified**

Introduction

Monday 1 September 2025 09:00 (10 minutes)

Contribution ID: **39**

Type: **not specified**

Neutrino (1)

Contribution ID: **40**

Type: **not specified**

SM (4)

Friday 5 September 2025 17:30 (50 minutes)

Session Classification: Standard Model

Contribution ID: **41**

Type: **not specified**

QFT (9)

Friday 5 September 2025 11:20 (50 minutes)

Session Classification: QFT

Contribution ID: 42

Type: **not specified**

Why is everyone talking about diversity? - Dr Dwayne Spiteri (University of Glasgow)

Diversity is a word that is often overused and misunderstood. It's an assumed social good, but striving towards something without having an idea what it is, why it is good or knowing possible endpoints is often very dangerous. I would like you to join me on this journey to explore what diversity can and should mean; why it's relevant to academic thinking; and what you can do to try and affect change in diversity in Higher Education and beyond.

Session Classification: Outreach event

Contribution ID: 43

Type: **not specified**

EDI/Outreach talk

Tuesday 9 September 2025 16:00 (1 hour)

Diversity is a word that is often overused and misunderstood. It's an assumed social good, but striving towards something without having an idea what it is, why it is good or knowing possible endpoints is often very dangerous. I would like you to join me on this journey to explore what diversity can and should mean; why it's relevant to academic thinking; and what you can do to try and affect change in diversity in Higher Education and beyond.

Contribution ID: 44

Type: **not specified**

QCD (extra)

Thursday 4 September 2025 15:00 (40 minutes)