

Session Program

18-21 Dec 2023

**Asymptotic Safety meets Particle Physics &
Friends**

QFT / Condensed Matter

DESY Hamburg, FLASH experimental hall "Albert Einstein"

Tuesday 19 December

14:00

QFT / Condensed Matter

Session | **Location:** DESY Hamburg, FLASH experimental hall "Albert Einstein" | **Convener:**
Dr Emmanuel Stamou

14:00–14:30

Absence of $SO(4)$ quantum criticality in Dirac semimetals at two-loop order

Speaker

Max Uetrecht

14:30–15:15

Exploring the conformal window and infrared fixed points using lattice field theory

Speaker

Oliver Witzel

15:15–15:45

Coffee break

15:45–16:30

Conformal bootstrap meets (quantum) phase transitions

Speaker

Junchen Rong

16:30–17:00

Vacuum stability of gauge-Yukawa theories

Speaker

Daniele Rizzo

17:00–17:30

Classifying large N limits of multiscale theories by algebra

Speaker

Nadia Flodgren

17:30–18:00

Discussion

18:00