

Shaping UV Physics Beyond the Standard Model



Sunday 12 July 2015 - Wednesday 15 July 2015

IPPP, Durham University

Scientific Programme

Sessions:

Higgs stability

Higgs stability /UV phenomenology insights

UV fixed points from BSM to gravity

Scale invariant phenomenology

UV aspects in cosmology/quantum gravity

Conformal phenomenology without / with gravity and naturalness

UV conformality and its phenomenological implications

Applications of the a theorem

Applications of AdS/CFT for novel RG flows

Unitarity problems in the UV? Scale invariance and the link to dark matter

The workshop is quite informal and open ended. Generally the sessions are aimed towards something that a subset of us felt we wanted to learn about and explore in discussion. In each themed slot a large portion is given over to extensive open ended debate. Suggested format for the slots:

1 speaker slot: 55' (talk) + 5 (questions) + 30 (wider discussion guided by chairperson)

2 speaker slot: 30'+5, 30'+5, +20 (wider discussion guided by chairperson)