

Tuesday 13 December

10:00

12:30

14:00

Asymptotic Safety meets Particle Physics and Friends: Asymptotic Safety meets Particle Physics and Friends

Session | Location: DESY Hamburg, FLASH experimental hall "Albert Einstein"

14:00-14:40 (TBA) Why should phenomenologists care about asymptotic safety?

Speaker

Gudrun Hiller

14:40-15:20 Asymptotically free UV completions of Higgs models

Speakers

Luca Zambelli, Luca Zambelli

15:20-15:50 Break/Discussion

15:50-16:30 Phenomenology with trans-Planckian asymptotic safety

Speaker

Kamila Kowalska

16:30-17:00 Vector-like Fermion Portals into Higgs Stability

Speaker

Tim Höhne

17:00-17:30 (TBA) Searches for flavorful VLLs

Speaker

Merve Nazlim Agaras

17:30-18:00 **Discussion**

Wednesday 14 December

09:30

Asymptotic Safety meets Particle Physics and Friends Session | Location: DESY Hamburg, FLASH experimental hall "Albert Einstein" 09:30-10:10 SO(4) multicriticality of 2D fermions Speaker Michael Scherer 10:10-10:40 Criticality in Gross-Neveu and Gross-Neveu-Yukawa theories Speaker Charlie Cresswell-Hogg 10:40-11:00 **Break** 11:00-11:30 Fixed points in Super Yang-Mills theories with chiral superfields Speaker Gabriel Picanco Costa 11:30-12:10 (TBA) Fixed points of quantum gravity Speaker Yannick Kluth 12:10-12:30 **Discussion**

12:30

14:00

Asymptotic Safety meets Particle Physics and Friends Session | Location: DESY Hamburg, FLASH experimental hall "Albert Einstein" 14:00-14:40 ALPs in the asymptotically safe landscape Speaker Gustavo Pazzini de Brito 14:40-15:10 Z' constraints with trans-Planckian safety Speaker Daniele Rizzo 15:10-15:50 Proton Stability and Quantum Gravity **Speaker** Shouryya Ray 15:50-16:20 **Break** 16:20-16:50 Asymptotically Safe Gravity with Higher Order Invariants Speaker **David Dullaway** 16:50-17:30 UV/IR mixing & causal diamonds

	Speaker Heinrich Päs			
18:00	17:30-18:00	Discussion		

Thursday 15 December

09:30

