

Session Program

18-21 Dec 2023

**Asymptotic Safety meets Particle Physics &
Friends**

Gravity

DESY Hamburg, FLASH experimental hall "Albert Einstein"

Wednesday 20 December

14:00

Gravity

Session | **Location:** DESY Hamburg, FLASH experimental hall "Albert Einstein" | **Convener:** Manuel Reichert

14:00–14:45 **Momentum-dependent field redefinitions in Asymptotic Safety**

Speaker

Benjamin Knorr

14:45–15:30 **Quantum Gravity to cubic order in the essential scheme**

Speaker

Mr Yannick Kluth

15:30–16:00 **Coffee break**

16:00–16:45

Spontaneous breaking of chiral symmetry as consistency test of quantum gravity

Speaker

Gustavo Pazzini de Brito

16:45–17:15 **Quantum Einstein Cubic Gravity**

Speaker

Gabriel Assant

17:15–18:00 **Discussion**

18:00