

Session Program

24-29 Apr 2025

Effective Field Theories, Gravity and Cosmology

EFTs in phenomenology

国科大杭州高等研究院 Hangzhou Institute for Advanced Study (UCAS), Building 3, 2A-223

Sunday 27 April

09:00

EFTs in phenomenology

Session | **Location:** 国科大杭州高等研究院 Hangzhou Institute for Advanced Study (UCAS), Building 3, 2A-223 | **Convener:** Prof. Chao-Qiang Geng

09:00–09:30 **Recent results on $\pi\pi$ and πN scatterings**

Speaker
Prof. Han-Qing Zheng

09:30–10:00 **Towards a Quantum Simulation of Sphaleron Configuration**

Speaker
Prof. Hao Zhang

10:00

10:30

EFTs in phenomenology

Session | **Location:** 国科大杭州高等研究院 Hangzhou Institute for Advanced Study (UCAS), Building 3, 2A-223 | **Convener:** Prof. Masahide Yamaguchi

10:30–11:00 **Positivity bounds at one-loop level**

Speaker
Prof. Jiayin Gu

11:00–11:30 **Formation of primordial black holes from inflationary models**

Speaker
Prof. Yingli Zhang

11:30–12:00 **Bootstrapping the Chiral-Gravitational Anomaly**

Speaker
Prof. Teng Ma

12:00