Session Program

19-21 May 2025



Phenomenology 2025 Symposium

New Developments in Theory

University of Pittsburgh

Monday 19 May

New Devel	opments in Theory: I ion: David Lawrence Hall 205, University of Pittsburgh
14:15-14:30 Speaker Dr Neil Christens	Field-Theory Action for the Constructive Standard Model
14:30-14:45 A lapse-Wick the generaliz Speaker Dr Rudrajit Bane	x rotation on curved backgrounds: admissible complex metrics and zed heat kernel rjee
14:45-15:00 Speaker Nabin Bhatta	`Here be dragons': Is there new physics beyond quantum theory?
15:00-15:15 Speaker Dr Zhengkang Z	What is the Geometry of Effective Field Theories?
15:15-15:30 Speaker Xu-Xiang Li	Geometry of Effective Field Theories on Functional Manifolds
15:30-15:45 Speaker Bea Noether	Understanding Strongly Coupled Theories with AMSB
15:45-16:00 Speaker Zhewei Yin	Maximal Magic in Two-Qubit States

Tuesday 20 May

New Developments in Theory: II Session Location: David Lawrence Hall 205, University of Pittsburgh	
14:00-14:15 Speaker Kaladi Babu	Exceptional Unification
14:15-14:30 Speaker Gongjun Choi	Cheshire $\boldsymbol{\theta}$ terms, Aharonov-Bohm effects, and axions
14:30-14:45 Discrete Syr Speaker Hsing-Yi Lai	nmetry of Magnetic Monopole with Spinor Helicity Formalism
14:45-15:00 Dynamical C Potential Speaker Prof. Nathan Her	ondensates and the Problem of the Finite Temperature Effective
15:00-15:15 Speaker Hannah Day	Precision QED: how to handle electrons with boundaries
15:15-15:30 Speaker Zhen Liu	Solving Contact Term Ambiguities for Massive Helicity Amplitude
15:30-15:45 Bubble wall microscopic Speaker Jiang Zhu	velocity from Kadanoff-Baym equations: fluid dynamics and interactions
15:45-16:00 Speaker	A First Look at "Continuous Spin" Gravity Time Delay Signature