



Mainz Institute for Theoretical Physics

SCIENTIFIC PROGRAMS

Power Expansions on the Lightcone:
From Theory to Phenomenology

CANCELLED DUE TO COVID-19 February 16-26, 2021

Gravity and Emergent Gauge Fields in Condensed
and Synthetic Matter

CONVERTED TO VIRTUAL WORKSHOP April 12-23, 2021

Flavour of BSM Physics in the LHC Era

CANCELLED DUE TO COVID-19 April 26-May 7, 2021

Towards the Next Fundamental Scale of Nature:
New Approaches in Particle Physics and Cosmology

CANCELLED DUE TO COVID-19 May 10-21, 2021

Mega Dark Matter: Theory and Detection

CANCELLED DUE TO COVID-19 May 25-June 4, 2021

Neutrinos, Flavour and Beyond

POSTPONED TO 2022 June 7-18, 2021, Capri, Italy

Machine Learning for Particle Physics

CONVERTED TO VIRTUAL WORKSHOP June 21-July 2, 2021

Positive Geometries in Scattering
Amplitudes and Beyond

CONVERTED TO VIRTUAL WORKSHOP July 7-18, 2021

Probing new Physics with Gravitational Waves

CANCELLED DUE TO COVID-19 July 26-August 13, 2021

Dark Sector Theory Confronts Reality

CANCELLED DUE TO COVID-19 August 30-Sept. 10, 2021

Mathematical Foundations of the Swampland Program

CANCELLED DUE TO COVID-19 Sept. 13-24, 2021

Quantum Field Theory at the Boundary

CONVERTED TO VIRTUAL WORKSHOP Sept. 27-30, 2021

Light New Physics: From Table-Top Experiments
to the LHC

November 29 - December 10, 2021

TOPICAL WORKSHOPS

Quantum Methods for Lattice Gauge Theories

CANCELLED DUE TO COVID-19 February 2-4, 2021

Evaluation of the Leading Hadronic Contribution
to the Muon $g-2$: Toward the MUonE Experiment

CANCELLED DUE TO COVID-19 March 30-April 3, 2021

Machine Learning Techniques in Lattice QCD

CONVERTED TO VIRTUAL WORKSHOP April 6-10, 2021

Precision Tests with Neutral-Current
Coherent Interactions with Nuclei

CANCELLED DUE TO COVID-19 June 7-11, 2021

Elliptic Integrals in Fundamental Physics

CANCELLED DUE TO COVID-19 June 14-18, 2021

MITP SUMMER SCHOOL

The Amplitude Games

CONVERTED TO VIRTUAL SCHOOL July 12-30, 2021

Summer School on Particle Physics in São Paulo

POSTPONED TO 2022 September 13-24, 2021

VIRTUAL WORKSHOPS

Gravity and Emergent Gauge Fields in Condensed
and Synthetic Matter

April 12-23, 2021

Machine Learning Techniques in Lattice QCD

May 24-28, 2021

Machine Learning for Particle Physics

June 21-July 2, 2021

Positive Geometries in Scattering Amplitudes and Beyond

July 7-18, 2021

The Amplitude Games

July 12-30, 2021

Quantum Field Theory at the Boundary

September 27-30, 2021