

Mainz Institute for Theoretical Physics

SCIENTIFIC PROGRAMS

Light-Cone Distribution Amplitudes of Hadrons in QCD and their Applications

Danny van Dyk **TU München**, Vladimir Braun **U Regensburg**, Sebastian Jäger **U Sussex**, Alexander Khodjamirian **U Siegen**
January 13 - 24, 2020

Flavour of BSM Physics in the LHC Era

Seung J Lee **Korea U**, Paride Paradisi **U Padova / INFN**, Jernej F. Kamenik **U Ljubljana / JSI**, Diptimoy Ghosh **IISER Pune**
April 20 - 30, 2020

Machine Learning for Particle Physics

Tilman Plehn **U Heidelberg**, Ben Nachman **LBNL**, David Shih **Rutgers U**, Jesse Thaler **MIT**, Ben Stefanek **JGU**
May 11 - 22, 2020

Neutrinos, Flavour and Beyond

Giulia Ricciardi **U Napoli Federico II**, Serguey Petcov **SISSA Trieste**, Silvia Pascoli **IPPP Durham**, Matthias Neubert **JGU**
June 8 - 19, 2020, Capri, Italy

Dark Sector Theory Confronts Reality

Seyda Ipek **UC Irvine**, Tim Cohen **U Oregon**, Tongyan Lin **UC San Diego**, Mariangela Lisanti **Princeton**
June 22 - July 10, 2020

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

Nayara Fonseca **DESY**, Nathaniel Craig **UC Santa Barbara**, Gilad Perez **Weizmann Inst.**, Camila Machado, Ben Stefanek **JGU**
July 13 - 24, 2020

Mathematical Foundations of the Swampland Program

Eran Palti **MPI für Physik**, Irene Valenzuela **Harvard U**, Daniel Kläwer, Timo Weigand **JGU**
August 17 - September 4, 2020

Quantum Field Theory at the Boundary

Andrew O'Bannon **U Southampton**, Christopher Herzog **King's College London**, Kristan Jensen **San Francisco State U**, Silvia Penati **U Milano-Bicocca**
September 14 - October 2, 2020

TOPICAL WORKSHOPS

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

Massimo Passera **INFN Padova**, Carlo M. Carloni Calame **INFN Pavia**, Luca Trentadue **U Parma / INFN Milano Bicocca**, Graziano Venanzoni **INFN Pisa**
March 30 - April 3, 2020

Precision Tests with Neutral-Current Coherent Interactions with Nuclei

Charles Horowitz **Indiana U**, Jens Erler **UNAM / JGU**, Mikhail Gorshteyn, Hubert Spiesberger **JGU**
June 15 - 19, 2020

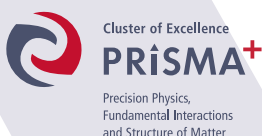
MITP SUMMER SCHOOL 2020

Scattering Amplitudes

Christian Bogner, Camila Machado, Max Stahlhofen, Zoltán Ször, Stefan Weinzierl **JGU**
July 6 - 24, 2020

ACTIVITIES 2020

www.mitp.uni-mainz.de



Mainz Institute for Theoretical Physics
PRISMA+ Cluster of Excellence
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