

Mass in the Standard Model and Consequences of its Emergence

19-23 April 2021

Virtual – Zoom Platform

<https://fbk-eu.zoom.us/j/89793153121>

ID riunione: 897 9315 3121

Passcode: 576330

Day 1 | April 19, 2021

2:00 pm	<i>TBA</i> Prof. Sebastian NEUBERT (Helmholtz-Institut fuer Strahlen- und Kernphysik)
2:30 pm	<i>Emergence of (near-)threshold structures in hadron spectrum</i> Prof. Feng-Kun GUO (Institute of Theoretical Physics, Chinese Academy of Sciences)
3:00 pm	<i>TBA</i> Prof. Sinéad RYAN (Trinity College Dublin)
3:30 pm	<i>ECT* Director Welcome</i> Prof. Aarts GERT (ECT*/University of Swansea)
4:00 pm	<i>Accessing the origin of the nucleon mass</i> Prof. Gastao KREIN (Saõ Paulo University)
4:30 pm	<i>Prospects for Emergent Mass and Structure Studies at the EIC</i> Dr Rolf ENT (Thomas Jefferson National Accelerator Facility)
	30 Minute Discussion Session

PROGRAM

Day 2 | April 20, 2021

2:00 pm	<i>Perceiving the emergence of Hadron Mass through AMBER at CERN SPS</i> Dr Oleg DENISOV (INFN sezione di Torino)
2:30 pm	<i>Meson Structures</i> Prof. Lei CHANG (Nankai University)
3:00 pm	<i>TBA</i> Prof. Huey-Wen LIN (Michigan State University)
4:00 pm	<i>Hadron tomography and gravitational form factors</i> Prof. Shunzo KUMANO (KEK)
4:30 pm	<i>Global QCD Analysis of Pion Parton Distributions</i> Dr Patrick BARRY (Thomas Jefferson National Accelerator Facility)
	30 Minute Discussion Session

Day 3 | April 21, 2021

2:00 pm	<i>Updates on the Scientific Opportunities with EicC</i> Prof. Bowen XIAO (The Chinese University of Hong Kong, Shenzhen)
2:30 pm	<i>Parton Distributions - What do we learn from them?</i> Dr Jianwei QIU (Thomas Jefferson National Accelerator Facility)
3:00 pm	<i>Generalized parton distributions</i> Dr Hervé MOUTARDE (IRFU, CEA, Université Paris-Saclay)
4:00 pm	<i>GPDs as measures of π and K structure</i> Dr. Khépani RAYA-MONTAÑO (Nankai University)
4:30 pm	<i>TBA</i> Dr. Alexandre DEUR (Thomas Jefferson National Accelerator Facility)
	30 Minute Discussion Session

Day 4 | April 22, 2021

2:00 pm	<i>Overview of recent results of Belle II</i> Dr Elisabetta PRENCIPE (Physikalisches Institut - Justus-Liebig-Universität Gießen)
2:30 pm	<i>Exotic mesons with functional methods</i> Dr Gernot EICHMANN (LIP & IST Lisboa)
3:00 pm	<i>Exploring hadron mass with exotics</i> Prof. Adam SZCZEPANIAK (Indiana University)
4:00 pm	<i>Strangeness Electroproduction with CLAS/CLAS12 as a Tool for N^* Exploration</i> Dr Daniel CARMAN (Thomas Jefferson National Accelerator Facility)
4:30 pm	<i>Baryon elastic and transition form factors</i> Dr Jorge SEGOVIA (University Pablo de Olavide, in Seville)
	30 Minute Discussion Session

Day 5 | April 23, 2021

2:00 pm	<i>The PANDA experiment at FAIR</i> Dr Alaa DBEYSSI (Helmholtz-Institut Mainz)
2:30 pm	<i>Fully coupled functional equations for the quark sector of QCD</i> Dr Fei GAO (University of Heidelberg)
3:00 pm	<i>Fresh extraction of the proton radius from electron scattering</i> Dr Daniele BINOSI (ECT*)
4:00 pm	<i>Elastic Form Factors</i> Dr Bogdan WOJTSEKHOWSKI (Jefferson Lab)
4:30 pm	<i>Nucleon form factors from lattice QCD</i> Dr Dalibor DJUKANOVIC (Helmholtz Institute Mainz)
	30 Minute Discussion Session