

Emergent mass and its consequences in the Standard Model



Report of Contributions

Contribution ID: 2

Type: **not specified**

Welcome

Monday, 17 September 2018 09:30 (15 minutes)

Presenter: ROBERTS, Craig (Argonne National Laboratory)

Contribution ID: 3

Type: **not specified**

Pion and Kaon Structure at an EIC

Monday, 17 September 2018 09:45 (45 minutes)

Presenter: ENT , Rolf (Jlab)

Session Classification: Chair: Craig Roberts

Contribution ID: 4

Type: **not specified**

Emergent Hadron Mass from Light-Front Holography and Superconformal Quantum Mechanics

Monday, 17 September 2018 11:00 (45 minutes)

Presenter: BRODSKY, Stanley (SLAC - Stanford University)

Session Classification: Chair: Craig Roberts

Contribution ID: 5

Type: **not specified**

Three-gluon vertex: the new frontier

Monday, 17 September 2018 11:45 (45 minutes)

Presenter: PAPAVASSILIOU, Joannis (Universidad de Valencia)

Session Classification: Chair: Craig Roberts

Contribution ID: 6

Type: **not specified**

Unraveling nucleon tensor charges and their implications

Monday, 17 September 2018 16:30 (45 minutes)

Presenter: LIN, Huey-Wen (Michigan State University)

Session Classification: Chair: J. Papavassiliou

Contribution ID: 7

Type: **not specified**

Locating the critical end point of QCD

Presenter: FISCHER, Christian (University of Giessen)

Session Classification: Chair: J. Papavassiliou

Contribution ID: 8

Type: **not specified**

Origin of proton mass and quarkonium in nuclei

Monday, 17 September 2018 14:30 (45 minutes)

Presenter: KREIN, Gastao (Universidade Estadual Paulista)

Session Classification: Chair: J. Papavassiliou

Contribution ID: 9

Type: **not specified**

Experimental Access to the Emergence of Mass

Tuesday, 18 September 2018 09:00 (45 minutes)

Presenter: GOTHE, Ralf (University of South Carolina)

Session Classification: Chair: Rolf Ent

Contribution ID: **10**

Type: **not specified**

QCD: Carrying Our Weight

Tuesday, 18 September 2018 09:45 (45 minutes)

Presenter: ROBERTS, Craig (Argonne National Laboratory)

Session Classification: Chair: Rolf Ent

Contribution ID: 11

Type: **not specified**

Electromagnetic form factors of pseudoscalar mesons

Tuesday, 18 September 2018 11:00 (45 minutes)

Presenter: CHANG, Lei (Nankai University)

Session Classification: Chair: Rolf Ent

Contribution ID: 12

Type: **not specified**

Nucleon resonances in Compton scattering

Tuesday, 18 September 2018 11:45 (45 minutes)

Presenter: EICHMANN, Gernot (Tecnico Lisboa)

Session Classification: Chair: Rolf Ent

Contribution ID: 13

Type: **not specified**

On the structure of neutral pseudoscalars

Tuesday, 18 September 2018 14:30 (45 minutes)

Presenter: RAYA-MONTAÑO, Khépani (Nankai University)

Session Classification: Chair: Cristina Aguilar

Contribution ID: 14

Type: **not specified**

The structure of the nucleon and its resonances through the Dyson-Schwinger Equations formalism

Presenter: SEGOVIA, Jorge (University of Barcelona)

Session Classification: Chair: Cristina Aguilar

Contribution ID: 15

Type: **not specified**

The gluon mass and the gauge sector of QCD

Tuesday, 18 September 2018 16:30 (45 minutes)

Presenter: RODRÍGUEZ QUINTERO, José (University of Huelva)

Session Classification: Chair: Cristina Aguilar

Contribution ID: 16

Type: **not specified**

Producton of heavy quarkonium on the nucleon at threshold: Probing the nucleon mass

Wednesday, 19 September 2018 09:00 (45 minutes)

Presenter: MEZIANI, Zein-Eddine (Argonne National Laboratory)

Session Classification: Chair: Ralf Gothe

Contribution ID: 18

Type: **not specified**

On the order of the QCD chiral phase transition at zero and small density

Tuesday, 18 September 2018 15:15 (45 minutes)

Presenter: PHILIPSEN, Owe (Goethe University Frankfurt)

Session Classification: Chair: Cristina Aguilar

Contribution ID: 19

Type: **not specified**

Three concepts of the gauge boson mass

Wednesday, 19 September 2018 11:00 (45 minutes)

Presenter: GLAZEK, Stanislaw (University of Warsaw)

Session Classification: Chair: Ralf Gothe

Contribution ID: 20

Type: **not specified**

Quark mass generation with non-Abelian Ball-Chiu vertex

Wednesday, 19 September 2018 11:45 (45 minutes)

Presenter: AGUILAR, Cristina (Universidade Estadual de Campinas)

Session Classification: Chair: Ralf Gothe

Contribution ID: 21

Type: **not specified**

Baryon Structure with PTIR

Wednesday, 19 September 2018 14:30 (45 minutes)

Presenter: MEZRAG, Cédric (INFN Sezione di Roma 1)

Session Classification: Chair: Lei Chang

Contribution ID: 22

Type: **not specified**

Quark and Meson spectral functions with the Functional Renormalization Group

Wednesday, 19 September 2018 15:15 (45 minutes)

Presenter: TRIPOLT, Ralf-Arno (ECT*)

Session Classification: Chair: Lei Chang

Contribution ID: 23

Type: **not specified**

Insight to hadron mass generation from the nucleon resonance electroexcitation

Thursday, 20 September 2018 09:00 (45 minutes)

Presenter: MOKEEV, Victor (Jlab)

Session Classification: Chair: Stanislaw Glazek

Contribution ID: 24

Type: **not specified**

QCD correlation functions from the FRG: results and applications

Thursday, 20 September 2018 09:45 (45 minutes)

Presenter: PAWLOWSKI, Jan M. (Heidelberg University)

Session Classification: Chair: Stanislaw Glazek

Contribution ID: 25

Type: **not specified**

Perturbative confinement

Thursday, 20 September 2018 11:00 (45 minutes)

Presenter: HOYER, Paul (Helsinki University)

Session Classification: Chair: Stanislaw Glazek

Contribution ID: 26

Type: **not specified**

On propagators and vertices of Yang-Mills theory from their equations of motion

Thursday, 20 September 2018 11:45 (45 minutes)

Presenter: HUBER, Markus (Giessen University)

Session Classification: Chair: Stanislaw Glazek

Contribution ID: 27

Type: **not specified**

Emergent phenomena in strong dynamics

Monday, 17 September 2018 15:15 (45 minutes)

Presenter: BINOSI, Daniele (ECT*)

Session Classification: Chair: J. Papavassiliou

Contribution ID: 28

Type: **not specified**

Hadron structure in continuum QCD

Thursday, 20 September 2018 15:15 (45 minutes)

Presenter: GAO, Fei (University of Valencia)

Session Classification: Chair: Jan M. Pawłowski

Contribution ID: 29

Type: **not specified**

Parton Distribution Amplitudes of s-wave and p-wave heavy quarkonium

Thursday, 20 September 2018 14:30 (45 minutes)

Presenter: DING, Minghui (Nankai University)

Session Classification: Chair: Jan M. Pawłowski

Contribution ID: **30**

Type: **not specified**

Perturbative Curci-Ferrari model at two-loop order

Friday, 21 September 2018 09:15 (45 minutes)

Presenter: PELÁEZ, Marcela (Universidad De La República)

Session Classification: Chair: Daniele Binosi

Contribution ID: 31

Type: **not specified**

Mass-dependence of pseudoscalar meson elastic form factors

Friday, 21 September 2018 10:30 (45 minutes)

Presenter: CHEN, MUYANG (Nankai University)

Session Classification: Chair: Daniele Binosi

Contribution ID: 32

Type: **not specified**

Analytic properties of the gluon propagator in a generic covariant gauge

Friday, 21 September 2018 11:15 (45 minutes)

Presenter: SIRINGO, Fabio (Università di Catania)

Session Classification: Chair: Daniele Binosi

Contribution ID: 33

Type: **not specified**

Global properties of baryons from Poincare-covariant analysis

Wednesday, 19 September 2018 09:45 (45 minutes)

Presenter: QIN, Sixue (Chongqing University)

Session Classification: Chair: Ralf Gothe

Contribution ID: 34

Type: **not specified**

Gluon-mass-induced triply heavy baryon masses

Thursday, 20 September 2018 16:30 (45 minutes)

Presenter: SERAFIN, Kamil (University of Warsaw)

Session Classification: Chair: Jan M. Pawłowski