

First workshop on "Perceiving the Emergence of Hadron Mass through AMBER@CERN" (EHM2020/1)

Perceiving the Emergence
of Hadron Mass through

AMBER@CERN

30 March 2020 to 2 April 2020
CERN, Geneva - Switzerland



Report of Contributions

Contribution ID: 6

Type: **not specified**

Introduction to the workshop

Monday, 30 March 2020 14:00 (15 minutes)

Presenter: DENISOV, Oleg

Session Classification: Afternoon session

Contribution ID: 7

Type: **not specified**

Measurable Expressions of EHM

Monday, 30 March 2020 14:15 (25 minutes)

Presenter: ROBERTS, Craig

Session Classification: Afternoon session

Contribution ID: 8

Type: **not specified**

On the hadron mass decomposition

Monday, 30 March 2020 14:40 (25 minutes)

Presenter: LORCÉ, Cédric (Ecole polytechnique)

Session Classification: Afternoon session

Contribution ID: 9

Type: **not specified**

Meson Structure: Drell-Yan session

Session Classification: Afternoon session

Contribution ID: **10**

Type: **not specified**

Drell-Yan measurement at AMBER - Studying the hadrons structure

Monday, 30 March 2020 15:05 (25 minutes)

Presenter: QUARESMA, Marcia (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)

Session Classification: Afternoon session

Contribution ID: 11

Type: **not specified**

Pion parton distribution functions in a symmetry-preserving approach

Monday, 30 March 2020 15:45 (25 minutes)

Presenter: DING, Minghui (ECT*)

Session Classification: Afternoon session

Contribution ID: 12

Type: **not specified**

Pion and Kaon Valence-Quark Parton Distributions from Lattice QCD

Monday, 30 March 2020 16:10 (25 minutes)

Presenter: LIN, Huey-Wen

Session Classification: Afternoon session

Contribution ID: 13

Type: **not specified**

Structure of Mesons and its impact on Baryons one

Monday, 30 March 2020 17:00 (25 minutes)

Presenter: MEZRAG, Cédric (CEA Saclay)

Session Classification: Afternoon session

Contribution ID: 14

Type: **not specified**

Pion structure in Nambu–Jona-Lasinio: phenomenology

Monday, 30 March 2020 17:25 (25 minutes)

Presenter: COURTOY, Aurore (Instituto de Física, UNAM)

Session Classification: Afternoon session

Contribution ID: 15

Type: **not specified**

Parton distribution functions and beyond

Tuesday, 31 March 2020 14:00 (25 minutes)

Presenter: RAYA MONTAÑO, Khépani

Session Classification: Afternoon session

Contribution ID: 16

Type: **not specified**

Pion and Kaon parton distributions from their light-front wave functions

Monday, 30 March 2020 17:50 (25 minutes)

Presenter: RODRIGUEZ QUINTERO, José (University of Huelva)

Session Classification: Afternoon session

Contribution ID: 17

Type: **not specified**

The structure of pion from first-principles calculation in lattice QCD

Tuesday, 31 March 2020 15:40 (25 minutes)

Presenter: RICHARDS, David (Jefferson Lab)

Session Classification: Afternoon session

Contribution ID: **18**

Type: **not specified**

3D imaging of pion and kaon on the light front

Tuesday, 31 March 2020 14:25 (25 minutes)

Presenter: SHI, Chao

Session Classification: Afternoon session

Contribution ID: 19

Type: **not specified**

Calculation of pion/kaon-nucleus induced Drell-Yan process from a basis light-front approach

Tuesday, 31 March 2020 14:50 (25 minutes)

Presenter: ZHAO, Xingbo (Institute of Modern Physics, Chinese Academy of Sciences)

Session Classification: Afternoon session

Contribution ID: 20

Type: **not specified**

Charmonium measurements with AMBER –a tool for accessing the meson PDFs

Tuesday, 31 March 2020 16:20 (25 minutes)

Presenter: PLATCHKOV, Stephane (Université Paris-Saclay (FR))

Session Classification: Afternoon session

Contribution ID: 21

Type: **not specified**

Constraining pion PDFs with Jpsi production

Tuesday, 31 March 2020 16:45 (25 minutes)

Presenter: CHANG, Wen-Chen (Academia Sinica (TW))

Session Classification: Afternoon session

Contribution ID: 22

Type: **not specified**

Quark mass function from a OGE-type interaction in Minkowski space

Tuesday, 31 March 2020 17:10 (25 minutes)

Presenter: BIERNAT, Elmar (Instituto Superior Tecnico, Universidade de Lisboa)

Session Classification: Afternoon session

Contribution ID: 23

Type: **not specified**

Prompt photon production and diffractive scattering at AMBER

Tuesday, 31 March 2020 18:00 (25 minutes)

Presenter: Dr GUSKOV, Alexey (Joint Institute for Nuclear Research (RU))

Session Classification: Afternoon session

Contribution ID: 24

Type: **not specified**

Hadron Spectroscopy at AMBER

Wednesday, 1 April 2020 14:00 (25 minutes)

Presenter: GRUBE, Boris (Technische Universitat Munchen)

Session Classification: Afternoon session

Contribution ID: 25

Type: **not specified**

Spectroscopy via Lattice QCD

Wednesday, 1 April 2020 14:25 (25 minutes)

Presenter: BRICENO, Raul (Thomas Jefferson National Accelerator Facility)

Session Classification: Afternoon session

Contribution ID: 26

Type: **not specified**

An Experimental Observable to Trace the Mass from pQCD to Strong QCD

Wednesday, 1 April 2020 14:50 (25 minutes)

Presenter: GOTHE, Ralf

Session Classification: Afternoon session

Contribution ID: 27

Type: **not specified**

Insight into EHM from Nucleon Resonance Electroexcitation and the Meson Structure Studies

Wednesday, 1 April 2020 15:15 (25 minutes)

Presenter: MOKEEV, Victor (Thomas Jefferson National Accelerator Facility)

Session Classification: Afternoon session

Contribution ID: 28

Type: **not specified**

Continuum functional methods to study strong-QCD in new generation facilities

Wednesday, 1 April 2020 15:40 (25 minutes)

Presenter: SEGOVIA, Jorge (Pablo de Olavide U., Seville)

Session Classification: Afternoon session

Contribution ID: 29

Type: **not specified**

Meson Spectroscopy

Wednesday, 1 April 2020 16:20 (25 minutes)

Presenter: MATHIEU, Vincent (Complutense University of Madrid)

Session Classification: Afternoon session

Contribution ID: **30**

Type: **not specified**

Parton distribution of nucleon

Tuesday, 31 March 2020 15:15 (25 minutes)

Presenter: GAO, Fei (Heidelberg university)

Session Classification: Afternoon session

Contribution ID: **31**

Type: **not specified**

talk

Presenter: BINOSI, Daniele (ECT* Fondazione Bruno Kessler)

Session Classification: Afternoon session

Contribution ID: 32

Type: **not specified**

Introduction to round table discussion

Thursday, 2 April 2020 14:00 (15 minutes)

Presenter: QUINTANS, Catarina (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)

Session Classification: Afternoon session

Contribution ID: 33

Type: **not specified**

Round table discussion

Thursday, 2 April 2020 14:15 (1 hour)

Presenter: ALL

Session Classification: Afternoon session

Contribution ID: **34**

Type: **not specified**

Future plans

Thursday, 2 April 2020 15:15 (10 minutes)

Presenter: DENISOV, Oleg (INFN, sezione di Torino)

Session Classification: Afternoon session

Contribution ID: 35

Type: **not specified**

Hybrid mesons in the framework of DSEs

Wednesday, 1 April 2020 16:45 (25 minutes)

Presenter: XU, Shusheng

Session Classification: Afternoon session

Contribution ID: 36

Type: **not specified**

Meson spectroscopy from a basis light-front approach

Wednesday, 1 April 2020 17:10 (25 minutes)

Presenter: ZHAO, Xingbo (Institute of Modern Physics, Chinese Academy of Sciences)

Session Classification: Afternoon session

Contribution ID: 37

Type: **not specified**

talk

Presenter: Dr CUI, Zhu-Fang (Nanjing University)

Session Classification: Afternoon session

Contribution ID: 38

Type: **not specified**

Power corrections to the Drell-Yan and Charmonium q_T -spectra at moderate transverse momenta from Reggeized Partons

Tuesday, 31 March 2020 17:35 (25 minutes)

Presenter: SALEEV, Vladimir (Samara National Research University)

Session Classification: Afternoon session

Contribution ID: 39

Type: **not specified**

Two issues concerning the pion structure function

Monday, 30 March 2020 16:35 (25 minutes)

Presenter: CHANG, Lei (Nankai University)

Session Classification: Afternoon session