

Fifth workshop on "Perceiving the Emergence of Hadron Mass through AMBER@CERN" (EHM2021/9)

Perceiving the Emergence
of Hadron Mass through
AMBER@CERN

27 April to 30 April 2021
CERN, Geneva - Switzerland



Report of Contributions

Contribution ID: 7

Type: **not specified**

Introductory talk

Wednesday, 21 April 2021 14:00 (5 minutes)

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

Session Classification: Day I - Introduction

Contribution ID: 8

Type: **not specified**

Probing EHM with AMBER

Wednesday, 21 April 2021 14:05 (35 minutes)

Presenter: ROBERTS, Craig (Nanjing University)

Session Classification: Day I - Introduction

Contribution ID: 9

Type: **not specified**

Charged proton-radius measurement

Wednesday, 21 April 2021 14:40 (25 minutes)

Presenter: DZIUBA, Aleksei (NRC Kurchatov Institute PNPI (RU))

Session Classification: Approved measurements

Contribution ID: **10**

Type: **not specified**

Antiproton cross-section measurements for Dark Matter search

Wednesday, 21 April 2021 15:05 (20 minutes)

Presenter: ZUCCON, Paolo (Universita degli Studi di Trento and INFN (IT))

Session Classification: Approved measurements

Contribution ID: 11

Type: **not specified**

Probing the pion's parton structure at AMBER

Wednesday, 21 April 2021 15:25 (25 minutes)

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

Session Classification: Approved measurements

Contribution ID: 12

Type: **not specified**

Probing the kaon's parton structure at AMBER Phase-2

Wednesday, 21 April 2021 16:00 (30 minutes)

Presenter: ANDRIEUX, Vincent (Univ. Illinois at Urbana Champaign (US))

Session Classification: Envisaged measurements

Contribution ID: 13

Type: **not specified**

Measuring excitation spectra in $K \pi \pi$ final states with AMBER Phase-2

Wednesday, 21 April 2021 16:30 (25 minutes)

Presenter: GRUBE, Boris (Technische Universitaet Muenchen (DE))

Session Classification: Envisaged measurements

Contribution ID: 14

Type: **not specified**

Measuring the Primakoff reaction and $F_{\{K2\pi\}}$ with AMBER phase-II

Wednesday, 21 April 2021 16:55 (20 minutes)

Presenter: MALTSEV, Andrii (Joint Institute for Nuclear Research (RU))

Session Classification: Envisaged measurements

Contribution ID: 15

Type: **not specified**

Can AMBER Phase-2 access the charge radius of pion or/and kaon?

Wednesday, 21 April 2021 17:15 (15 minutes)

Presenter: FRIEDRICH, Jan (Technische Universitaet Muenchen (DE))

Session Classification: Day I -

Contribution ID: 16

Type: **not specified**

Can AMBER Phase-2 access Moments of pion/kaon Distribution Amplitudes in Diffractive Scattering?

Wednesday, 21 April 2021 17:30 (15 minutes)

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

Session Classification: Day I -

Contribution ID: 17

Type: **not specified**

Lattice QCD for AMBER

Thursday, 22 April 2021 14:00 (35 minutes)

Presenter: RICHARDS, David (Jefferson Lab)

Session Classification: Day II

Contribution ID: **18**

Type: **not specified**

Meson DFs from Lattice QCD

Thursday, 22 April 2021 14:35 (25 minutes)

Presenter: KARTHIK, Nikhil (Brookhaven National Laboratory)

Session Classification: Day II

Contribution ID: 19

Type: **not specified**

Pion DAs in AMBER

Friday, 23 April 2021 16:25 (25 minutes)

Presenter: STEFANIS, Nikolaos (Ruhr University Bochum, Germany)

Session Classification: Day III

Contribution ID: **20**

Type: **not specified**

EHM via Meson GPDs

Thursday, 22 April 2021 15:25 (25 minutes)

Presenter: MORGADO CHÁVEZ, Jose Manuel (Universidad de Huelva)

Session Classification: Day II

Contribution ID: 21

Type: **not specified**

Basic EHM from Lattice QCD

Thursday, 22 April 2021 16:00 (25 minutes)

Presenter: SKULLERUD, Jon-Ivar (National University of Ireland Maynooth)

Session Classification: Day II -

Contribution ID: 22

Type: **not specified**

Pion structure as a problem in Minkowski space

Thursday, 22 April 2021 16:25 (25 minutes)

Presenter: YDREFORS, Emanuel (Instituto Tecnológico de Aeronautica)

Session Classification: Day II -

Contribution ID: 23

Type: **not specified**

Basis light-front quantisation

Thursday, 22 April 2021 16:50 (25 minutes)

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

Session Classification: Day II -

Contribution ID: 24

Type: **not specified**

Discussion

Thursday, 22 April 2021 17:15 (30 minutes)

Session Classification: Day II -

Contribution ID: 25

Type: **not specified**

NNPDFs for meson structure

Friday, 23 April 2021 14:00 (35 minutes)

Presenter: Dr ROJO, Juan (VU Amsterdam and Nikhef)

Session Classification: Day III

Contribution ID: 27

Type: **not specified**

Accessing pion's large-x gluon by fixed-target charmonium production

Friday, 23 April 2021 14:35 (25 minutes)

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

Session Classification: Day III

Contribution ID: 28

Type: **not specified**

EHM via meson light-front wave functions - Part 1

Friday, 23 April 2021 15:00 (25 minutes)

Presenter: RAYA MONTAÑO, Khépani

Session Classification: Day III

Contribution ID: 29

Type: **not specified**

EHM via meson light-front wave functions - Part 2

Friday, 23 April 2021 15:25 (25 minutes)

Presenter: RODRIGUEZ QUINTERO, José (University of Huelva)

Session Classification: Day III

Contribution ID: 30

Type: **not specified**

High-energy factorization for DY with new TMD (unintegrated) PDFs

Thursday, 22 April 2021 15:00 (25 minutes)

Presenter: Dr NEFEDOV, Maxim (Samara State University)

Session Classification: Day II

Contribution ID: **31**

Type: **not specified**

Discussion

Friday, 23 April 2021 16:50 (30 minutes)

Session Classification: Day III

Contribution ID: 32

Type: **not specified**

EHM and the spectrum of light mesons

Presenter: CHANG, Lei (Nankai University)

Session Classification: Day IV

Contribution ID: 33

Type: **not specified**

EHM as revealed by the spectra of baryons with heavy quarks

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

Session Classification: Day IV

Contribution ID: 34

Type: **not specified**

Synergies with EHM at Jlab

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

Session Classification: Day IV

Contribution ID: 35

Type: **not specified**

Model independent extraction of hadron radii

Friday, 23 April 2021 16:00 (25 minutes)

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

Session Classification: Day III

Contribution ID: **36**

Type: **not specified**

Round-table discussion

Wolf-Dieter Nowak / Craig Roberts

Stephane Platchkov

Vincent Andrieux

Andrii Maltsev

Boris Grube

Jan Friedrich

Oleg Denisov

...

and all other participants

Session Classification: Day IV - Round table