

Seventh workshop on ”Perceiving the Emergence of Hadron Mass through AMBER@CERN” (EHM2022/5)

Perceiving the Emergence
of Hadron Mass through
AMBER@CERN

10 - 13 May 2022
CERN, Geneva - Switzerland



Report of Contributions

Contribution ID: 1

Type: **not specified**

Proton and pion DFs in counterpoint

Wednesday 11 May 2022 14:00 (25 minutes)

Presenter: ROBERTS, Craig

Session Classification: Session II

Contribution ID: 2

Type: **not specified**

Boer-Mulders function of pion and proton and pretzelosity distribution of proton

Wednesday 11 May 2022 14:25 (25 minutes)

Presenter: MA, Bo-Qiang (Peking University)

Session Classification: Session II

Contribution ID: 3

Type: **not specified**

AdS/QCD & gluon matter distribution in the proton and pion

Wednesday 11 May 2022 14:50 (25 minutes)

Presenter: LIU, Tianbo (Peking University)

Session Classification: Session II

Contribution ID: 4

Type: **not specified**

Kaon Primakoff reaction

Wednesday 11 May 2022 15:15 (25 minutes)

Presenter: STAMEN, Dominik (Bonn)

Session Classification: Session II

Contribution ID: 5

Type: **not specified**

Lattice QCD results for the gluon in the nucleon, pion and kaon DFs

Wednesday 11 May 2022 16:00 (25 minutes)

Presenters: HUEY-WEN LIN AND ZHOUYOU FAN; LIN, Huey-Wen; FAN, Zhouyou

Session Classification: Session II

Contribution ID: 6

Type: **not specified**

Emergence of pion and proton parton distributions

Wednesday 11 May 2022 16:25 (25 minutes)

Presenter: RODRIGUEZ QUINTERO, José (University of Huelva)

Session Classification: Session II

Contribution ID: 7

Type: **not specified**

Discussion

Wednesday 11 May 2022 16:50 (40 minutes)

Session Classification: Session II

Contribution ID: 8

Type: **not specified**

Insight into EHM from results on electroexcitation of Delta(1600)3/2+ resonance

Thursday 12 May 2022 14:00 (25 minutes)

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

Session Classification: Session III

Contribution ID: 9

Type: **not specified**

NRQCD analysis of fixed-target charmonium production and pion PDFs

Thursday 12 May 2022 14:25 (25 minutes)

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

Session Classification: Session III

Contribution ID: **10**

Type: **not specified**

Comparison between J/Psi and Psi' production with proton and pion beams

Thursday 12 May 2022 14:50 (25 minutes)

Presenter: PENG, Jen-Chieh (University of Illinois at Urbana-Champaign)

Session Classification: Session III

Contribution ID: 11

Type: **not specified**

J/psi production cross section and pion's DFs

Thursday 12 May 2022 15:15 (25 minutes)

Presenter: BINOSI, Daniele (FBK)

Session Classification: Session III

Contribution ID: 12

Type: **not specified**

Massless bound states in the gauge sector of QCD

Thursday 12 May 2022 16:00 (25 minutes)

Presenter: NARCISO FERREIRA, Mauricio (IFGW - UNICAMP)

Session Classification: Session III

Contribution ID: 13

Type: **not specified**

Light front wave functions of vector mesons from CSMs

Friday 13 May 2022 16:00 (25 minutes)

Presenter: SHI, Chao

Session Classification: Session IV

Contribution ID: 14

Type: **not specified**

Discussion

Thursday 12 May 2022 16:50 (40 minutes)

Session Classification: Session III

Contribution ID: 15

Type: **not specified**

Light front chiral sum rule and the implication to the pion structure

Friday 13 May 2022 14:00 (25 minutes)

Presenter: LI, Yang (University of Science and Technology of China)

Session Classification: Session IV

Contribution ID: 16

Type: **not specified**

GPDs and TMDs of light mesons from a basis light-front approach

Friday 13 May 2022 14:25 (25 minutes)

Presenter: ZHAO, Xingbo

Session Classification: Session IV

Contribution ID: 17

Type: **not specified**

First snapshots of pion interior with Minkowskian dynamics

Friday 13 May 2022 14:50 (25 minutes)

Presenter: DE PAULA, Wayne (Instituto Tecnológico de Aeronautica)

Session Classification: Session IV

Contribution ID: **18**

Type: **not specified**

Distributions from light-front dynamics

Friday 13 May 2022 15:15 (25 minutes)

Presenter: YDREFORS, Emanuel (Instituto Tecnológico de Aeronautica)

Session Classification: Session IV

Contribution ID: 19

Type: **not specified**

To the light front with contour deformations

Thursday 12 May 2022 16:25 (25 minutes)

Presenter: STADLER, Alfred (University of Évora)

Session Classification: Session III

Contribution ID: 20

Type: **not specified**

Data-driven approach to construct the pion GPD

Friday 13 May 2022 16:25 (25 minutes)

Presenter: RAYA MONTAÑO, Khépani

Session Classification: Session IV

Contribution ID: 21

Type: **not specified**

Discussion

Friday 13 May 2022 16:50 (40 minutes)

Session Classification: Session IV

Contribution ID: 22

Type: **not specified**

The EIC Detector Selection and Decision Process; and the path to a possible second detector

Tuesday 10 May 2022 14:00 (25 minutes)

Presenter: GAO, Haiyan (D)

Session Classification: Session I

Contribution ID: 23

Type: **not specified**

Studying Meson structure at EIC through the Sullivan process

Tuesday 10 May 2022 14:25 (25 minutes)

Presenter: KAY, Stephen

Session Classification: Session I

Contribution ID: 24

Type: **not specified**

Improvements of conventional M2 beam for more (identifiable) kaons at AMBER target

Tuesday 10 May 2022 14:50 (25 minutes)

Presenter: BANERJEE, Dipanwita (CERN)

Session Classification: Session I

Contribution ID: 25

Type: **not specified**

Physics reach of Kaon-induced DY&J/psi with conventional M2 beam

Tuesday 10 May 2022 15:15 (25 minutes)

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

Session Classification: Session I

Contribution ID: 26

Type: **not specified**

Status of studies towards an RF-separated M2 beam

Tuesday 10 May 2022 16:00 (25 minutes)

Presenter: GERBERSHAGEN, Alexander (CERN)

Session Classification: Session I

Contribution ID: 27

Type: **not specified**

Possible new ideas on DY&J/psi with RF-sep. beam

Tuesday 10 May 2022 16:25 (10 minutes)

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

Session Classification: Session I

Contribution ID: 28

Type: **not specified**

Kaon-induced prompt-photon production with RF-separation at the M2 beamline

Tuesday 10 May 2022 16:35 (15 minutes)

Presenter: GUSKOV, Alexey

Session Classification: Session I

Contribution ID: 29

Type: **not specified**

Kaon-induced spectroscopy with RF-separation at the M2 beamline

Tuesday 10 May 2022 16:50 (15 minutes)

Presenter: WALLNER, Stefan (Technische Universitaet Muenchen (DE))

Session Classification: Session I

Contribution ID: **30**

Type: **not specified**

Kaon polarizability, $F_2\{K_2\pi\}$, and radius

Tuesday 10 May 2022 17:05 (15 minutes)

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

Session Classification: Session I

Contribution ID: 31

Type: **not specified**

Kaon charge radius

Presenter: PAUL, Stephan (Technische Universitat Munchen (DE))

Session Classification: Session I

Contribution ID: 32

Type: **not specified**

Study of Pion and Kaon distribution amplitudes at AMBER

Tuesday 10 May 2022 17:20 (10 minutes)

Presenter: PENG, Jen-Chieh (University of Illinois at Urbana-Champaign)

Session Classification: Session I

Contribution ID: 33

Type: **not specified**

Discussion

Tuesday 10 May 2022 17:30 (30 minutes)

Session Classification: Session I