

# **Teleworkshop on Strong QCD from Hadron Structure Experiments**

Monday, 7 June 2021 - Thursday, 10 June 2021

ZOOM

## **Book of Abstracts**



# Contents

E: DIS at JLab . . . . .	1
E: EHM through AMBER at CERN-SPS . . . . .	1
T: Insights into EHM using pion and kaon targets . . . . .	1
T: Meson structure from lQCD . . . . .	1
break . . . . .	1
E: News on pion and kaon structure studies . . . . .	1
E: Nucleon energy-momentum tensor . . . . .	1
T: 3D structure of mesons . . . . .	1
Discussion . . . . .	2
close . . . . .	2
E: 3D images of the nucleon . . . . .	2
E: Challenges in TMDs . . . . .	2
T: 3D Structure of the nucleon . . . . .	2
T: GPDs and PARTONS . . . . .	2
break . . . . .	2
E: New states and new opportunities with CLAS12 . . . . .	3
E: EHM from resonance electrocouplings . . . . .	3
T: Faddeev equation and resonance electrocouplings . . . . .	3
Discussion . . . . .	3
close . . . . .	3
E: New opportunities in nucleon resonances . . . . .	3
E: 1st CLAS12 results on inclusive electron scattering . . . . .	3
T: Resonance electroproduction . . . . .	3

T: LQCD and the description of hadron spectra . . . . .	4
break . . . . .	4
E: Transition $N \rightarrow N^*$ GPDs . . . . .	4
T: Analysis of inclusive electron scattering in the resonance region . . . . .	4
T: Hadron radii from precise, low- $Q^2$ e-scattering data . . . . .	4
Discussion . . . . .	4
close . . . . .	4
E: heavy-quark baryons . . . . .	5
T: Production of hybrids and exotics . . . . .	5
T: LQCD and exotic hadrons . . . . .	5
T: EHM and the meson spectrum . . . . .	5
break . . . . .	5
T: New baryon states in quark models . . . . .	5
T: From strong QCD to atomic nuclei . . . . .	5
Discussion . . . . .	5
close . . . . .	6

**0**

**E: DIS at JLab**

**1**

**E: EHM through AMBER at CERN-SPS**

**2**

**T: Insights into EHM using pion and kaon targets**

**Corresponding Author:** cdroberts@nju.edu.cn

**3**

**T: Meson structure from lQCD**

**Corresponding Author:** hwlin@pa.msu.edu

**4**

**break**

**5**

**E: News on pion and kaon structure studies**

**6**

**E: Nucleon energy-momentum tensor**

**7**

## **T: 3D structure of mesons**

8

### **Discussion**

9

**close**

10

## **E: 3D images of the nucleon**

11

### **E: Challenges in TMDs**

12

## **T: 3D Structure of the nucleon**

**Corresponding Author:** [hyzhao@sjtu.edu.cn](mailto:hyzhao@sjtu.edu.cn)

13

## **T: GPDs and PARTONS**

14

**break**

15

**E: New states and new opportunities with CLAS12**

16

**E: EHM from resonance electrocouplings**

17

**T: Faddeev equation and resonance electrocouplings**

**Corresponding Author:** jsegovia@upo.es

18

**Discussion**

19

**close**

20

**E: New opportunities in nucleon resonances**

21

**E: 1st CLAS12 results on inclusive electron scattering**

22

**T: Resonance electroproduction**

23

**T: LQCD and the description of hadron spectra**

24

**break**

25

**E: Transition  $N \rightarrow N^*$  GPDs**

26

**T: Analysis of inclusive electron scattering in the resonance region**

27

**T: Hadron radii from precise, low- $Q^2$  e-scattering data**

28

**Discussion**

29

**close**



30

**E: heavy-quark baryons**

31

**T: Production of hybrids and exotics**

32

**T: LQCD and exotic hadrons**

33

**T: EHM and the meson spectrum**

**Corresponding Author:** sqin@cqu.edu.cn

34

**break**

35

**T: New baryon states in quark models**

36

**T: From strong QCD to atomic nuclei**

37

## **Discussion**

**38**

**close**