

Light Cone 2021: Physics of Hadrons on the Light Front

Monday 29 November 2021

Plenary Session: Session 1 - Emerald Hall A&B (08:30 - 10:10)

-Conveners: Ho-Meoyng Choi

time	[id] title	presenter
08:30	[136] Welcome Address	BANG, Yunkyu
08:40	[112] From Instant to Light-Front: Opening LC2021	JI, Chueng
09:10	[123] A New Class of Exclusive Processes to Better Measure the x -Dependence of DAs and GPDs	QIU, Jianwei
09:40	[135] Novel Properties of Hadron Physics Derived from Holographic Light-Front QCD	BRODSKY, Stanley

Plenary Session: Session 2 - Emerald Hall A&B (10:30 - 12:00)

-Conveners: Jianwei Qiu

time	[id] title	presenter
10:30	[119] Light-Front Quantization as an Effective Field Theory	JI, Xiangdong
11:00	[87] Basis Light Front Quantization - Progress and Prospects	VARY, James
11:30	[34] QCD Analysis of Pion Parton Distributions	MELNITCHOUK, Wally

Plenary Session: Session 3 - Emerald Hall A&B (13:30 - 15:30)

-Conveners: Hyun-Chul Kim

time	[id] title	presenter
13:30	[118] Recent Progress of Hypernuclear Physics	HIYAMA, Emiko
14:00	[127] Nucleon Parton Distributions from Lattice QCD	CHEN, Jiunn-Wei
14:30	[29] Elementary Example of Exact Effective-Hamiltonian Computation	GLAZEK, Stanislaw
15:00	[80] Resonance in Coupled Channel Reactions	SATO, Toru

Plenary Session: Session 4 - Emerald Hall A&B (15:50 - 18:30)

-Conveners: Stefan Diehl

time	[id] title	presenter
15:50	[36] Frame Dependence of Relativistic Charge Distributions	LORCÉ, Cédric
16:20	[68] Compton Scattering on ^4He : Kinematical Features	BAKKER, B. L. G.
16:50	[131] FAIR Physics with PANDA	BRINKMANN, Kai-Thomas
17:20	[78] Results from the COMPASS Experiment at CERN	KUNNE, Fabienne
17:50	[41] A perturbative expansion for bound states	HOYER, Paul
18:10	[73] Baryonic form factor of the pion	BRONIEWSKI, Wojciech

Tuesday 30 November 2021

Plenary Session: Session 5 - Emerald Hall A&B (08:30 - 10:30)

-Conveners: Hyon-Suk Jo

time	[id] title	presenter
08:30	[117] The SoLID Science Program in Hall A at Jefferson Lab	MEZIANI, Zein-Eddine
09:00	[82] 3D Structure of the Nucleon: from JLab12 to JLab24	AVAKIAN, Harut
09:30	[31] Nucleon Structure Modification from Tagged DIS Measurements at JLab and the EIC	HEN, Or
10:00	[134] Higher-Spin Baryon Photoproduction with Twisted Photons	CARLSON, Carl

Plenary Session: Session 6 - Emerald Hall A&B (10:50 - 12:20)

-Conveners: Wally Melnitchouk

time	[id] title	presenter
10:50	[63] Abel Tomography: Charge and Energy-Momentum Tensor Densities of the Nucleon	KIM, Hyun-Chul
11:20	[37] Novel Hadron Physics by Structure Functions of Spin-1 Hadrons	KUMANO, Shunzo
11:50	[94] Positronium Structure from Light-Front QED Hamiltonian	ZHAO, Xingbo

Plenary Session: Session 7 - Emerald Hall A&B (16:20 - 18:20)

-Conveners: Kai-Thomas Brinkmann

time	[id] title	presenter
16:20	[140] Current Highlights and Future Prospects from CMS	SEKMEN, Sezen
16:50	[126] Highlights from ATLAS and Future Plans	CORRADI, Massimo
17:20	[52] Photon-to-Nucleon Transition Distribution Amplitudes and Backward Time-like Compton Scattering	SEMENOV-TIAN-SHANSKY, Kirill
17:50	[60] Experimental TDA Program at FAIR, JLab and J-PARC	DIEHL, Stefan

Wednesday 1 December 2021

Plenary Session: Session 8 - Emerald Hall A&B (08:30 - 10:30)

-Conveners: Harut Avakian

time	[id] title	presenter
08:30	[138] Zero Modes and the Vacuum	BURKARDT, Matthias
09:00	[1] Simple Light Front Quark Models	POLYZOU, Wayne
09:30	[22] A Nonperturbative Perspective on the Light-Front Vacuum	HILLER, John
10:00	[30] Light-Front Quantization from Then Until Now	MANNHEIM, Philip

Plenary Session: Session 9 - Emerald Hall A&B (10:50 - 12:20)

-Conveners: Su Houg Lee

time	[id] title	presenter
10:50	[24] Generalized Polarizabilities of the Proton: Overview and New Results	SPARVERIS, Nikos
11:20	[114] Recent Results on Baryon Structures and Dark Sector Searches at Belle and Belle II	KWON, Youngjoon
11:50	[125] Spectroscopic Study of Quark Dynamics in Baryons at J-PARC	NOUMI, Hiroyuki

Plenary Session: Session 10 - Emerald Hall A&B (16:20 - 18:20)

-Conveners: Giovanni Salme'

time	[id] title	presenter
16:20	[121] Going to the Light Front with Contour Deformations	EICHMANN, Gernot
16:50	[113] Canonical Approach for Extreme QCD	NAM, Seung-il
17:20	[128] Deeply Virtual Compton Scattering on the Neutron with CLAS12 at Jefferson Lab	NICCOLAI, Silvia
17:50	[93] The BGOOD Experiment at ELSA and Multi-Quark Structures in the uds-Sector	SCHMIEDEN, Hartmut

Friday 3 December 2021

Plenary Session: Session 11 - Emerald Hall A&B (08:30 - 10:30)

-Conveners: Kyungseon Joo

time	[id] title	presenter
08:30	[116] Origins of the Proton Mass	CLOET, Ian
09:00	[120] Confinement in Two-Dimensional QCD and the Infinitely Long Pion	MILLER, Gerald
09:30	[115] Pseudodistributions: PDFs Off the Light Cone	RADYUSHKIN, Anatoly
10:00	[124] Foundations of the Parton Model Description of TMDs	ASLAN, Fatma

Plenary Session: Session 12 - Emerald Hall A&B (10:50 - 12:20)

-Conveners: Craig Roberts

time	[id] title	presenter
10:50	[79] Advances in Exploration of the Nucleon Resonance Spectrum and Structure	MOKEEV, Victor
11:20	[98] Parton Structures in Backward Photo/Electroproduction of Meson	YU, Byung-Geel
11:50	[59] Jet Physics Program at RHIC	SAHOO, Nihar

Saturday 4 December 2021

Plenary Session: Session 13 - Emerald Hall A&B (09:00 - 10:30)

-Conveners: Zein-Eddine Meziani

time	[id] title	presenter
09:00	[139] Future Opportunities with CEBAF Upgrades	MCKEOWN, Robert
09:30	[132] Mechanical Properties of the Proton	BURKERT, Volker
10:00	[133] Hadron Physics with AMBER at CERN	FRIEDRICH, Jan

Plenary Session: Session 14 - Emerald Hall A&B (10:50 - 12:20)

-Conveners: Tobias Frederico

time	[id] title	presenter
10:50	[130] Status and Prospects of the Electron Ion Collider	DESHPANDE, Abhay
11:20	[69] Potential Contribution of Korean Groups for the EIC	KIM, Yongsun
11:50	[129] Challenges and Opportunities in Hadron Physics	ROBERTS, Craig