

Dear Researchers,

This is the Second Circular of the Light Cone 2022 Online conference.

Light Cone 2022 Online is scheduled to be held via Zoom, UTC 1pm-4pm, from September 19(M) to September 23(F), 2022.

We are very pleased to invite you to the Light Cone 2022 Online conference <https://indico.knu.ac.kr/event/582/>.

If you would like to attend the conference please fill out the free registration form that appears in the link below. Registration is free and registering will ensure that you will be able to connect to the meeting via zoom.

Light Cone 2022 Online is the latest in the series of conferences that started in 1991 under the supervision of the International Light Cone Advisory Committee (ILCAC), which have played an important role in promoting research towards a rigorous description of hadrons and nuclei based on light-front quantization methods. As with earlier conferences in the series, the aim of this meeting will be to create a scientific program that will stimulate developments at the forefront of nuclear, hadron, and particle physics research.

1. Physics Topics

- Quantum field theory on the light front
- High-precision frontier of QCD
- Hadronic structure and nuclear structure in QCD
- Parton distribution functions
- Few-body problems on the light front
- Finite temperature and density QCD
- Diffraction and small x physics
- Meson and baryon resonances and exotic states
- The physics of electron ion colliders
- Heavy flavor physics
- Spin physics
- Light front holography
- Structure of the light front vacuum

2. Organizing Committee:

Stan Brodsky (SLAC, USA),
Wojciech Broniowski (Jan Kochanowski U., Poland),
Tobias Frederico (ITA, Brazil),
Stan Glazek (U. of Warsaw, Poland),
John R. Hiller (U. of Idaho, USA),
Chueng-Ryong Ji (NCSU, USA),
Cedric Lorce (Ecole Polytechnique, France),
Wally Melnitchouk (JLAB, USA),
Gerald A. Miller (U. of Washington, USA),
Barbara Pasquini (U. of Pavia, Italy),
Wayne Polyzou (U. of Iowa, USA),
Gianni Salme (INFN Sezione di Roma, Italy),
James Vary (ISU, USA)

3. Technical Support:

Yongseok Oh (KNU, Korea)

4. Confirmed Invited Speakers:

Ben Bakker
Patrick Barry
Shohini Bhattacharya
Ho-Meoyng Choi
Alexandre Deur
Dyana C. Duarte
Eduardo Ferreira
Adam Freese
Emanuel Katz
Michael Kreshchuk
Yang Li
Cedric Lorce
Valery E. Lyubovitskij
Peter Lowdon
Bailing Ma
Philip D. Mannheim
Andreas Metz
Cedric Mezrag
Jerry Miller

Chandan Mondal
Wayne de Paula
Matteo Rinaldi
Craig Roberts
Kamil Serafin
Guy F. de T'eramond
Emanuel Ydrefors

5. Registration:

If you would like to attend the conference please fill out the registration form that appears in the link below. Registration is free. Registration will ensure that you will be able to connect to the meeting via zoom. <https://indico.knu.ac.kr/event/582/registrations>

Starts Sep 19, 2022, 1:00 PM (UCT)
Ends Sep 23, 2022, 4:00 PM (UCT)

On behalf of the LC2022 Online Organizing Committee

Chueng Ji (Chair) and Wayne Polyzou (Vice Chair)