

Dear Colleague,

We invite you to participate in the **second PSQ@EIC (Precision Studies on QCD at EIC; formerly IR2@EIC) meeting**, co-hosted by Asia Pacific Center for Theoretical Physics (APCTP) and the Center for Frontiers in Nuclear Science (CFNS). The meeting will take place remotely **on July 19-23, 2021**. This event follows the first such event, held in March 2021 hosted jointly by Argonne National Laboratory (ANL) and Center for Frontiers in Nuclear Science (CFNS).

**The meeting will be online via Zoom, and all registered participants will receive the meeting invite and password via email. Registration is open at: <https://indico.bnl.gov/e/IR2-WS2>**

The series of meetings examine the science requiring high luminosity at low to medium center of mass energies (25 to 65 GeV). The goal of these meetings is to motivate the study of high impact science in the context of the overall machine design, EIC operation, and detector performance. This second meeting will focus on science highlights, detector concepts, and science documentation

Topics to be discussed in this meeting include:

- The challenge of strong QCD
- Wigner functions, GPDs & TMDs
- Deeply virtual exclusive and semi-inclusive processes
- Quark and gluon 3-D imaging
- Proton orbital angular momentum
- Gravitational structure of the proton and nuclei
- Mass distribution, forces, and pressure in proton
- Exotic and heavy flavor hadron spectroscopy
- Origin of hadron mass and confinement
- Highlights of science of light ions
- Performance of EIC at lower center-of-mass energy
- Proposed detector solutions

**Local Organizing Committee**

Homyeong Choi (KNU)  
Seonho Choi (SNU)  
Chueng Ryong Ji (NCSU)  
Hyun Suk Jo (KNU)  
Kyungseon Joo (UConn)  
Yongsun Kim (Sejong)  
Jason Lee (U Seoul)  
Sehwook Lee (KNU)  
Sanghoon Lim (PNU)  
Yongseok Oh (APCTP, KNU)  
Hwidong Yoo (Yonsei)

**Organizing Committee**

J. Arrington (LBNL)  
V. Burkert (JLab)  
M. Contalbrigo (Ferrara)  
A. Deshpande (CFNS, SBU/BNL)  
L. Elouadrhiri (JLab)  
X. Ji (CNF, UMD)  
R. Milner (MIT)  
F. Sabatie (Saclay/CEA)  
T. Satogata (JLab)  
A. Vossen (Duke)