



# APCTP Workshop on the Physics of Electron Ion Collider

## Wednesday, November 2, 2022

### Session: 1 (8:50 AM - 10:45 AM)

-Conveners: Yongseok Oh

time	[id] title	presenter
8:50 AM	[27] Welcome and Opening Remarks	BANG, Yunkyuu
9:00 AM	[25] Science and Opportunities at the Electron Ion Collider	DESHPANDE, Abhay
9:35 AM	[12] Electron-Ion Collider Progress and Plans	YECK, James
10:10 AM	[29] Perspectives from DOE NP	HALLMAN , Timothy J.

### Session: 2 (11:15 AM - 12:25 PM)

-Conveners: Kyungseon Joo

time	[id] title	presenter
11:15 AM	[31] The Quest to Understand the Fundamental Structure of Matter – Outlook to QCD and the Electron-Ion Collider Detector	ENT, Rolf
11:50 AM	[17] Prospective for Korean Contribution for EIC	KIM, Yongsun

### Session: 3 (2:00 PM - 3:45 PM)

-Conveners: Yongsun Kim

time	[id] title	presenter
2:00 PM	[18] Activities of the EIC Japan Group	GOTO, Yuji
2:35 PM	[20] Partonic Structure of Nucleon and Nuclei at an EIC; Argonne Activities	MEZIANI, Zein-Eddine
3:10 PM	[23] Development of MIP Timing Detector for the CMS Phase-2 Upgrade	MOON, Chang-Seong

### Session: 4 (4:15 PM - 6:00 PM)

-Conveners: Ralf Seidl

time	[id] title	presenter
4:15 PM	[21] Activities of Korean Physics Community for EIC	OH, Yongseok
4:50 PM	[2] Prospects on GPDs and Structure Functions of Spin-1 Deuteron	KUMANO, Shunzo
5:25 PM	[9] Mechanical Properties of the Baryon Octet and Singly Heavy Baryons	KIM, Hyun-Chul

# Thursday, November 3, 2022

## Session: 5 (9:00 AM - 10:45 AM)

-Conveners: Abhay Deshpande

time	[id] title	presenter
9:00 AM	[26] The ePIC experiment at the EIC: Status and Opportunities	HEN, Or
9:35 AM	[14] EIC, the Ultimate Machine for Hadron Physics. A CEA's Perspective	BOSSÙ, Francesco
10:10 AM	[24] Taiwanese Involvement in EIC	YANG, Yi

## Session: 6 (11:15 AM - 12:25 PM)

-Conveners: Yuji Goto

time	[id] title	presenter
11:15 AM	[28] Silicon Tracking for E(P)IC	SICHTERMANN, Ernst
11:50 AM	[15] ITS3 for ALICE	LIM, Sanghoon

## Session: 7 (2:00 PM - 3:45 PM)

-Conveners: Zein-Eddine Meziani

time	[id] title	presenter
2:00 PM	[10] Interest in AC-LGAD development of EIC-Japan	YANO, Satoshi
2:35 PM	[11] Recent Results of CMS LGAD Sensor Testing	YOO, Jae Hyeok
3:10 PM	[3] The Dual-Readout Calorimeter R&D for Future Colliders in Korea	YOO, Hwidong

## Session: 8 (4:15 PM - 5:25 PM)

-Conveners: Hyun-Chul Kim

time	[id] title	presenter
4:15 PM	[4] Getting to Grips with GPD Extraction	SZNAJDER, Paweł
4:50 PM	[6] Backward Angle (u-channel) Processes at EIC	LI, Wenliang

# Friday, November 4, 2022

## Session: 9 (9:00 AM - 10:45 AM)

-Conveners: Sanghoon Lim

time	[id] title	presenter
9:00 AM	[16] Heavy Flavor Physics with the sPHENIX MVTX Vertex Tracker Upgrade and Opportunity for the Future EIC R&D	LIU, Ming
9:35 AM	[8] Advanced Si Sensors, What Has Been Done and Can Be Done By Korea	KWON, Youngil
10:10 AM	[19] The Status and Overview of RAON	SHIN, Taeksu

## Session: 10 (11:15 AM - 12:25 PM)

-Conveners: Or Hen

time	[id] title	presenter
11:15 AM	[22] Possible Indian Participation at EPIC collaboration in EIC	DASGUPTA, Shuddha Shankar
11:50 AM	[7] A Next-Generation Heavy-Ion Experiment for the LHC: ALICE 3	KWEON, MinJung

## Session: 11 (2:00 PM - 3:45 PM)

-Conveners: Paweł Sznajder

time	[id] title	presenter
2:00 PM	[1] TMDs with Single Hadron Production at the EIC	SEIDL, Ralf
2:35 PM	[13] TMDs with Dihadrons and Lambdas at the EIC	DILKS, Christopher
3:10 PM	[5] Hard Exclusive Reactions with Baryon Number Transfer and Transition Distribution Amplitudes	SEMENOV-TYAN-SHANSKIY, Kirill

## Session: 12 (4:15 PM - 5:25 PM)

-Conveners: Kyungseon Joo

time	[id] title	presenter
4:15 PM	[30] Round Table Discussion - K-EIC Path Forward	