

Session Program

29 April 2026 to 1 May 2026

EIC-Asia Workshop on QCD and Hadron Structure

Session

Institute of Physics, Academia Sinica, Meeting Room, 5F, New Phys Bldg
No. 128, Sec. 2, Academia Rd., Nangang Dist., Taipei City 115201, Taiwan (R.O.C.)

Wednesday 29 April

09:00

Session: Session 1

Session |

Location: Institute of Physics, Academia Sinica, Meeting Room, 5F, New Phys Bldg, No. 128, Sec. 2, Academia Rd., Nongang Dist., Taipei City 115201, Taiwan (R.O.C.) |

09:00–09:40

Neural Network Training for Parton Distribution Functions

Speaker

Luigi Del Debbio

09:40–10:20

Energy Correlators and TMD Structure (remote)

Speaker

Prof. Zhongbo Kang

10:20–11:00

Quantum entanglement between partons in strongly coupled quantum field theories (remote)

Speaker

Yang Li

11:00

11:20

Session: Session 2

Session |

Location: Institute of Physics, Academia Sinica, Meeting Room, 5F, New Phys Bldg, No. 128, Sec. 2, Academia Rd., Nongang Dist., Taipei City 115201, Taiwan (R.O.C.) |

11:20–12:00

High-precision calculation of the Quark-Gluon coupling from Lattice QCD

Speaker

Alberto Ramos

12:00–12:40

TMD physics from lattice QCD (remote)

Speaker

Dr Yong Zhao

12:40–13:00

Lattice extraction of the Collins-Soper kernel via auxiliary fields

Speaker

Wayne Morris

13:00

14:00

Session: Session 3

Session |

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14:00–14:40

Hadron structure with lattice QCD and connection to EIC (remote)

Speaker

Constantia Alexandrou

14:40–15:20

Calculating the low Mellin moments of the pion light-cone distribution amplitude using the HOPE method

	<p>Speaker Robert Perry</p>
	<p>15:20–16:00</p> <p>A New Approach to Hadron Structure from Lattice QCD: Gradient Flow in the EIC Era (remote)</p> <p>Speaker Andrea Shindler</p>
16:00	
16:30	<p>Session: Session 4</p> <p>Session Location: Institute of Physics, Academia Sinica, Meeting Room, 5F, New Phys Bldg, No. 128, Sec. 2, Academia Rd., Nanyang Dist., Taipei City 115201, Taiwan (R.O.C.) </p>
	<p>16:30–17:10 Gluon Polarimetry with Energy-Energy Correlators (remote)</p> <p>Speaker Jian Zhou</p>
	<p>17:10–17:50 Transition GPDs and nondiagonal DVCS at the EIC</p> <p>Speaker Hyeon-Dong Son</p>
17:50	

Thursday 30 April

09:00

Session: Session 5

Session |

Location: Institute of Physics, Academia Sinica, Meeting Room, 5F, New Phys Bldg, No. 128, Sec. 2, Academia Rd.,
Nongye District, Taipei City 115201, Taiwan (R.O.C.) |

09:00–09:40

Insights into the Emergence of Hadron Mass and Structure

Speaker

Craig Roberts

09:40–10:20

Nucleon transverse momentum dependent parton distributions and the EicC (remote)

Speaker

Tianbo Liu

10:20–11:00

Recent TMD measurements at STAR and the connection to EIC (remote)

Speaker

Qinghua Xu

11:00

11:20

Session: Session 6

Session |

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11:20–12:00

Recent Progress of Nucleon Structure Study at Jlab (remote)

Speaker

Zhihong Ye

12:00–12:20

Near-Threshold Photoproduction as a Probe of the Nucleon Gravitational Structure

Speaker

Dr Bheemsehan Gurjar

12:20–13:00

Forward baryon production and meson structure in ep collisions

Speaker

Yuji Yamazaki

13:00

14:00

Session: Session 7

Session |

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14:00–14:40

Pion TMD PDFs from phenomenology

Speaker

Valentin Moos

14:40–15:20

Pion and Kaon PDFs

	<p>Speaker Wen-Chen Chang</p>
	<p>15:20–16:00 PION AND KAON STRUCTURE MEASUREMENTS AT EIC AND JLAB</p>
16:00	<p>Speaker Prof. Tanja Horn</p>
16:30	<p>Session: Session 8 Session Location: Institute of Physics, Academia Sinica, Meeting Room, 5F, New Phys Bldg, No. 128, Sec. 2, Academia Rd., Nongye District, Taipei City 106, Taiwan (R.O.C.) </p>
	<p>16:30–17:10 Meson and Nucleon Structure Measurements at the EIC (remote)</p>
	<p>Speaker Stephan Kay</p>
	<p>17:10–17:30</p> <p>Parton physics from a heavy-quark operator product expansion: Dynamical lattice QCD calculation of moments of the kaon light-cone distribution amplitude</p>
17:30	<p>Speaker Sheng Pin Chang</p>

Friday 1 May

09:00

Session: Session 9

Session |

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Nongye District, Taipei City 115201, Taiwan (R.O.C.) |

09:00–09:20

ZDC introduction and scope of the ZDC day program

Speaker

Yuji Goto

09:20–10:00

Physics of the ZDC at ePIC and the LHC (remote)

Speaker

Michael Murray

10:00–10:25

Status of the HGCAL for the ePIC ZDC (remote)

Speaker

Sean Preins

10:25–10:50

Summary of the PDR Review for the ePIC ZDC EMCAL

Speaker

Chia Ming Kuo

10:50

11:20

Session: Session 10

Session |

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11:20–11:45

Results from ZDC EMCAL beam tests

Speaker

Chia-Yu Hsieh

11:45–12:20

Plans for the upcoming ZDC EMCAL beam test and open discussion

Speaker

Po-Ju Lin

12:20

13:30

Session: Session 11

Session |

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13:30–13:55

Status of the ZDC Simulation (remote)

Speaker

Ralf Seidl

13:55–14:20

Status of ZDC simulation studies in Korea

Speaker

Saehanseul Oh

14:20–14:40

Status of ZDC simulation studies in Taiwan

	<p>Speaker Chia-Yu Hsieh</p>
	<p>14:40–15:05 Status of the BTOF</p> <p>Speaker Satoshi Yano</p>
	<p>15:05–15:30</p> <p>Status of the Barrel Imaging Calorimeter (BIC) for the ePIC Experiment</p> <p>Speaker Shinhyung Kim</p>
15:30	
16:00	<p>Session: Session 12</p> <p>Session Location: Institute of Physics, Academia Sinica, Meeting Room, 5F, New Phys Bldg, No. 128, Sec. 2, Academia Rd., Nanyang Dist, Taipei City 115201, Taiwan (R.O.C.) </p>
	<p>16:00–16:20 Recent Progress on the ZDC at Shinshu University</p> <p>Speaker Kentaro Kawade</p>
	<p>16:20–16:35 Ideas for the ZDC from Tokyo City University</p> <p>Speaker Marco Meyer-Conde</p>
	<p>16:35–16:55 ZDC EMCAL electronics and data acquisition</p> <p>Speaker Shi Hong Yao</p>
	<p>16:55–17:25 ZDC EMCAL Electronics: Open Discussion</p> <p>Speaker Yuji Goto</p>
17:25	