

New Horizon in Particle Physics

Workshop for Future Particle Accelerators

4 ~ 19 July 2019 KAIST, Daejeon, Republic of Korea

Pre-Workshop: 4 ~ 5 July 2019

Brainstorming sessions for young scientists

Main-Workshop: 8 ~ 19 July 2019

Keynote talks

Lecture series

Panel discussions

Collaborations

Official indico

<https://indico.cern.ch/e/KAIX2019/>

Workshop Topics

Higgs at future colliders

Electroweak at future colliders

Quantum Chromodynamics at future colliders

Flavor physics at future colliders

Quark and gluon plasma

Beyond the Standard Model

Accelerator technologies for future colliders

Detectors for future colliders

Organizing Committee

Chair, Young-Kee Kim, University of Chicago and KAIST Distinguished Visiting Scholar

Co-chair, Jonghee Yoo, KAIST

Co-chair, Minho Son, KAIST

Scientific Program Organizer, Seung Joon Lee, Korea University

Invited Speakers

Nima Arkani-Hamed, Institute for Advanced Study, Princeton, USA

Daniela Bortoletto, Oxford University, UK

Kiwoon Choi, IBS, Korea

Suyong Choi, Korea University, Korea

Joao Guimaraes da Costa, IHEP, Chinese Academy of Science, China

Hyung Do Kim, Seoul National University, Korea

Bum-Hoon Lee, Sogang University, Korea

Seung Joon Lee, Korea University, Korea

Xinchou Lou, University of Texas Austin, USA

Michelangelo Mangano, CERN

Hitoshi Murayama, University of California, Berkeley USA / Kavli IPMU, University of Tokyo, Japan

Christopher Tully, Princeton University, USA

LinaTao Wang, University of Chicago, USA

Yifang Wang, IHEP, Chinese Academy of Science, China

Un-ki Yang, Seoul National University, Korea

In Kwon Yoo, Pusan National University, Korea