

**Chicago Workshop on the
CEPC, 2019 (Physics Research
Center Rm 201, 933 East 56th
Street)**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Overview of physics goals (35'+15')

Monday, 16 September 2019 09:10 (50 minutes)

Presenter: ARKANI-HAMED, Nima

Session Classification: CEPC overview

Contribution ID: 2

Type: **not specified**

CEPC: status (30'+10')

Monday, 16 September 2019 10:00 (40 minutes)

Presenter: LUO, Xinchou

Session Classification: CEPC overview

Contribution ID: 3

Type: **not specified**

CEPC: accelerator (30'+10')

Monday, 16 September 2019 11:10 (40 minutes)

Presenter: GAO, Jie (IHEP)

Session Classification: CEPC overview

Contribution ID: 4

Type: **not specified**

CEPC: detector (30'+10')

Monday, 16 September 2019 11:50 (40 minutes)

Presenter: BARREIRO GUIMARAES DA COSTA, Joao (Chinese Academy of Sciences (CN))

Session Classification: CEPC overview

Contribution ID: 5

Type: **not specified**

US status

Presenter: KIM, Young-Kee (University of Chicago (US))

Session Classification: International Collaboration

Contribution ID: 6

Type: **not specified**

Panel discussion: international collaboration, US participation

Monday, 16 September 2019 16:30 (1 hour)

Presenters: DENISOV, Dmitri (Brookhaven National Laboratory); ARKANI-HAMED, Nima (IAS); ENO, Sarah (U. Maryland); HAN, Tao (University of Pittsburgh); WANG, Yifang

Session Classification: International Collaboration

Contribution ID: 7

Type: **not specified**

CEPC: International Collaboration

Monday, 16 September 2019 16:00 (30 minutes)

Presenter: BEDESCHI, Franco (Universita & INFN Pisa (IT))

Session Classification: International Collaboration

Contribution ID: 8

Type: **not specified**

ILC (25'+5')

Monday, 16 September 2019 14:00 (30 minutes)

Presenter: BRAU, Jim (University of Oregon (US))

Session Classification: Linear Colliders and FCC

Contribution ID: 9

Type: **not specified**

CLIC (25'+5')

Monday, 16 September 2019 14:30 (30 minutes)

Presenter: BRONDOLIN, Erica (CERN)

Session Classification: Linear Colliders and FCC

Contribution ID: **10**

Type: **not specified**

FCC (25'+5')

Monday, 16 September 2019 15:00 (30 minutes)

Presenter: KLUTE, Markus (Massachusetts Inst. of Technology (US))

Session Classification: Linear Colliders and FCC

Contribution ID: 11

Type: **not specified**

Determination of Higgs boson couplings using Standard Model Effective Field Theory

Tuesday, 17 September 2019 09:00 (30 minutes)

Presenter: PESKIN, Michael

Session Classification: Physics

Contribution ID: 12

Type: **not specified**

TBA

Presenter: REECE, Matthew (Harvard University)

Session Classification: Physics

Contribution ID: 13

Type: **not specified**

Higgs and new physics

Tuesday, 17 September 2019 09:30 (30 minutes)

Presenter: GORI, Stefania (UC Santa Cruz)

Session Classification: Physics

Contribution ID: 14

Type: **not specified**

TBA

Presenter: SU, Shufang (University of Arizona)

Session Classification: Physics

Contribution ID: 15

Type: **not specified**

TBA

Presenter: ALTMANNSHOFER, Wolfgang (UC Santa Cruz)

Session Classification: Physics

Contribution ID: **16**

Type: **not specified**

TBA

Presenter: KILIC, Can (University of Texas at Austin)

Session Classification: Physics

Contribution ID: 17

Type: **not specified**

Physics Summary

Wednesday, 18 September 2019 14:00 (30 minutes)

Presenter: CRAIG, Nathaniel (UC Santa Barbara)

Session Classification: Conclusions/Summary

Contribution ID: **18**

Type: **not specified**

Detector/Simulation Summary

Wednesday, 18 September 2019 14:30 (30 minutes)

Presenter: QIAN, Jianming (University of Michigan (US))

Session Classification: Conclusions/Summary

Contribution ID: 19

Type: **not specified**

Where do we go from here?

Wednesday, 18 September 2019 15:00 (30 minutes)

Presenter: WANG, Yifang

Session Classification: Conclusions/Summary

Contribution ID: 20

Type: **not specified**

CEPC Tracking

Tuesday, 17 September 2019 11:00 (25 minutes)

Presenter: YOUNG, Charlie (SLAC National Accelerator Laboratory (US))

Session Classification: Tracking

Contribution ID: 21

Type: **not specified**

CEPC Tracking R&D

Tuesday, 17 September 2019 11:25 (25 minutes)

Presenters: GIACOMELLI, Paolo (Universita e INFN, Bologna (IT)); GIACOMELLI, Paolo (INFN Sezione di Bologna)

Session Classification: Tracking

Contribution ID: 22

Type: **not specified**

CEPC Tracking - new ideas

Tuesday, 17 September 2019 11:50 (25 minutes)

Presenter: YAO, Wei-Ming (Lawrence Berkeley National Lab. (US))

Session Classification: Tracking

Contribution ID: 23

Type: **not specified**

Discussion

Tuesday, 17 September 2019 12:15 (15 minutes)

Session Classification: Tracking

Contribution ID: 24

Type: **not specified**

CEPC Calorimetry

Tuesday, 17 September 2019 14:00 (25 minutes)

Presenter: TULLY, Chris (Princeton University (US))

Session Classification: Calorimeter

Contribution ID: 25

Type: **not specified**

CEPC Calorimetry R&D

Tuesday, 17 September 2019 14:25 (25 minutes)

Presenter: BEDESCHI, Franco (Universita & INFN Pisa (IT))

Session Classification: Calorimeter

Contribution ID: 26

Type: **not specified**

CEPC Calorimeter - new ideas

Tuesday, 17 September 2019 14:50 (25 minutes)

Presenter: ENO, Sarah (University of Maryland (US))

Session Classification: Calorimeter

Contribution ID: 27

Type: **not specified**

Discussion

Tuesday, 17 September 2019 15:15 (15 minutes)

Session Classification: Calorimeter

Contribution ID: 28

Type: **not specified**

Status of calorimeter development

Presenter: YANG, Haijun (Shanghai Jiao Tong University (CN))

Session Classification: Detector, Software and Physics

Contribution ID: 29

Type: **not specified**

HepSim: A public Monte Carlo repository with physics and detector simulations

Presenter: CHEKANOV, Sergei (Argonne National Laboratory (US))

Session Classification: Detector, Software and Physics

Contribution ID: **30**

Type: **not specified**

MDI issues - accelerator

Presenter: GAO, Jie (IHEP)

Session Classification: Machine-Detector Interface

Contribution ID: **31**

Type: **not specified**

Beam induced background at IP

Presenter: SHI, Haoyu (IHEP)

Session Classification: Machine-Detector Interface

Contribution ID: **32**

Type: **not specified**

MDI issues - detector

Presenter: ZHU, Hongbo (Chinese Academy of Sciences (CN))

Session Classification: Machine-Detector Interface

Contribution ID: **33**

Type: **not specified**

Discussion

Session Classification: Machine-Detector Interface

Contribution ID: 34

Type: **not specified**

Higgs studies at 240 and 360 GeV (TBC, by vidyo)

Presenter: ZHANG, Kaili (IHEP)

Session Classification: Detector, Software and Physics

Contribution ID: 35

Type: **not specified**

Machine Learning for future colliders

Wednesday, 18 September 2019 09:00 (25 minutes)

Presenter: HOOBERMAN, Benjamin Henry (Univ. Illinois at Urbana Champaign (US))

Session Classification: Simulations and Analysis Tools

Contribution ID: 36

Type: **not specified**

CEPC detector simulation

Wednesday, 18 September 2019 09:50 (25 minutes)

Presenter: RUAN, Manqi (Chinese Academy of Sciences (CN))

Session Classification: Simulations and Analysis Tools

Contribution ID: 37

Type: **not specified**

Discussion

Wednesday, 18 September 2019 10:15 (15 minutes)

Session Classification: Simulations and Analysis Tools

Contribution ID: **38**

Type: **not specified**

Jet algorithms and hadronic signatures for e+e- colliders

Tuesday, 17 September 2019 16:40 (20 minutes)

Presenter: MILLER, David (University of Chicago (US))

Session Classification: Detector, Software and Physics

Contribution ID: **39**

Type: **not specified**

Extended Higgs sector at Higgs factory

Wednesday, 18 September 2019 11:30 (30 minutes)

Presenter: SU, Shufang (University of Arizona)

Session Classification: Physics

Contribution ID: 40

Type: **not specified**

Naturalness and hierarchy problem

Wednesday, 18 September 2019 11:00 (30 minutes)

Presenter: REECE, Matthew (Harvard University)

Session Classification: Physics

Contribution ID: 41

Type: **not specified**

Testing the Twin Higgs Mechanism in Collider Searches

Wednesday, 18 September 2019 12:00 (30 minutes)

Presenter: KILIC, Can (University of Texas at Austin)

Session Classification: Physics

Contribution ID: 42

Type: **not specified**

MDI issues - accelerator

Tuesday, 17 September 2019 16:00 (25 minutes)

Presenter: GAO, Jie (Institute of High Energy Physics, China)

Session Classification: Machine-Detector Interface

Contribution ID: 43

Type: **not specified**

Beam induced background at IP

Tuesday, 17 September 2019 16:25 (25 minutes)

Presenter: SHI, Haoyu (IHEP)

Session Classification: Machine-Detector Interface

Contribution ID: 44

Type: **not specified**

MDI issues - detector (Cancelled)

Tuesday, 17 September 2019 16:50 (25 minutes)

Presenter: ZHU, Hongbo

Session Classification: Machine-Detector Interface

Contribution ID: 45

Type: **not specified**

Discussion

Tuesday, 17 September 2019 17:15 (15 minutes)

Session Classification: Machine-Detector Interface

Contribution ID: 46

Type: **not specified**

Higgs studies at 240 and 360 GeV (by vidyo)

Tuesday, 17 September 2019 17:00 (20 minutes)

Presenter: ZHANG, Kaili

Session Classification: Detector, Software and Physics

Contribution ID: 47

Type: **not specified**

Status of calorimeter development in China

Tuesday, 17 September 2019 16:20 (20 minutes)

Presenter: YANG, Haijun (Shanghai Jiao Tong University (CN))

Session Classification: Detector, Software and Physics

Contribution ID: 48

Type: **not specified**

Flavor and CEPC

Tuesday, 17 September 2019 10:00 (30 minutes)

Presenter: ALTMANNSHOFER, Wolfgang (UC Santa Cruz)

Session Classification: Physics

Contribution ID: 49

Type: **not specified**

HepSim: A public Monte Carlo repository with physics and detector simulations

Wednesday, 18 September 2019 09:25 (25 minutes)

Presenter: CHEKANOV, Sergei (Argonne National Laboratory (US))

Session Classification: Simulations and Analysis Tools

Contribution ID: 50

Type: **not specified**

Pixel detector development in China

Tuesday, 17 September 2019 16:00 (20 minutes)

Presenter: OUYANG, Qun (Chinese Academy of Sciences (CN))

Session Classification: Detector, Software and Physics

Contribution ID: 51

Type: **not specified**

Welcome and About this workshop

Presenters: LOW, Ian (Argonne National Lab/Northwestern Univ); WANG, LianTao (University of Chicago); KIM, Young-Kee (University of Chicago (US))

Session Classification: CEPC overview

Contribution ID: 52

Type: **not specified**

Welcome and About this workshop

Monday, 16 September 2019 09:00 (10 minutes)

Presenters: LOW, Ian (Argonne National Lab/Northwestern Univ); WANG, LianTao (University of Chicago); KIM, Young-Kee (University of Chicago (US))