

Introductory remarks

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中国科学院高能物理研究所

*Institute of High Energy Physics
Chinese Academy of Sciences*



Future Events

- **The 2019 International Workshop on CEPC, Beijing**

- Beijing, November 18-20, 2019
- <https://indico.ihep.ac.cn/event/9960/>

	Welcome	Prof. Yifang WANG
	A214, IHEP	08:30 - 08:40
09:00	Physics motivation	Prof. Nima ARKANI-HAMED
	A214, IHEP	08:40 - 09:20
	Project overview	Prof. Xinchou LOU
	A214, IHEP	09:20 - 09:50
10:00	Tea break	09:50 - 10:20
	FCC-ee/pp	Dr. Frank ZIMMERMANN
	A214, IHEP	10:20 - 10:50
11:00	ILC / CLIC	Dr. Angeles FAUS-GOLFE
	A214, IHEP	10:50 - 11:20
	CEPC accelerator	Prof. Jie GAO
	A214, IHEP	11:20 - 11:50
12:00	CEPC detector	Dr. Franco BEDESCHI
	A214, IHEP	11:50 - 12:20
	CEPC physics and performance	Dr. Jianbei LIU
	A214, IHEP	12:20 - 12:50

264 registered people



Hong Kong Program and Conference

- **Conference, January 20-22**

- Reduced by 1/2 day to accommodate the Chinese new year travel
- Organizers expanded to include members of other projects:
Paolo Giacomelli (FCC-ee), **Joao Guimaraes da Costa**, Tao Liu, Roberto Franceschini, Jie Gao, Michael Koratzinos, Toshiaki Tauchi

- **Detector Mini-workshop — Software and Physics Requirements for e⁺e⁻ Colliders- Jan 16, 17**

- Joint workshop CEPC/FCC-ee + others
- Organizers: Paolo Giacomelli (FCC-ee), Joao Guimaraes da Costa
- Day 1: Software framework
 - Likely to have the participation of three IHEP people from Weidong's group.
- Day 2: Physics requirements



CEPC Workshop EU Edition, 4-6 May 2020, Marseille

- First organizational meeting with Eric on Oct 30
- Plan to extend the meeting to 4 days (Eric checking about road blocks)
 - Preliminary breakdown would be:
 - Monday: plenary (could also have parallels in afternoon. it depends on who do we can attract to give talks)
 - Tuesday: parallel
 - Wednesday: parallel
 - Thursday morning: plenary (summary talks and discussion)
- Planning for about 150 attendees (similar to Oxford)
- Location: Downtown Marseille (closer to hotels)
 - Hotel cost: 70-80 euro/night (no university housing)
- FCPPL, 27-30 Apr 2020 in Bordeaux
 - People can go from one to the other, but there is May 1st holiday in between
- Trying to define the Scientific Committee Members now
 - Hope to have the list before the November workshop
- Website, poster, to be available soon → goal ready to advertise in Nov.



Other Future Events

- **CEPC physics workshop, HK satellite meeting, organized by Manqi**
 - The week of Jan 18-19, before conference
- **Possible 2nd USA Workshop in Washington, DC - April 23-24**
- **4th French Summer School on "Physics of the 2 infinities"**
 - First 3 weeks of July 2020, in Marseille (CPPM) and Lyon (IP2I)
 - Organized with the support of the French Embassy in China and Campus France



Detector R&D Committee

First meeting on Nov. 19

Jim Brau, USA, Oregon

Valter Bonvicini, Italy, Trieste

Ariella Cattai, Italy, CERN

Cristinel Diaconu, France, Marseille

Brian Foster, UK, Oxford

Liang Han, China, USTC

Dave Newbold, UK, RAL

Harvey Newman, USA, Caltech

Andreas Schopper, CERN, CERN

Abe Seiden, USA, UCSC

Laurent Serin, France, LAL

Marcel Stanitzki, Germany, DESY

Steinar Stapnes, Norway, CERN

Roberto Tenchini, Italy, INFN

Ivan Villa Alvarez, Spain, Santander

Hitoshi Yamamoto, Japan, Tohoku

Coming to IHEP

Connecting by vidyo

Not available this time



Conferences

- International Conference on Computing in High Energy and Nuclear Physics, CHEP 2019, Adelaide, Australia
 - 4-8 November 2019
 - <http://chep2019.org/>
- "Hiroshima" Symposium on the Development and Application of Semiconductor Tracking detectors (HSTD12)
 - 15 December 2019
 - <https://indico.cern.ch/event/803258/>
- TREDI2020: 15th Trento Workshop on Advanced Silicon Radiation Detectors 17-19 February 2020, TU Wien, Austria
- International Workshop on Semiconductor Pixel Detectors for Particles and Imaging (Pixel2020), 14-18 December 2020, Santa Fe, New Mexico, USA



CEPC Work Day: Nov 1

<https://indico.ihep.ac.cn/event/10775/>

Detector, Software, Physics

Convener: Prof. Xinchou LOU (高能所)

- 09:00 **Status report on ECAL R&D 30'**
Speaker: 云龙 张 (University of Science and Technology)
Material: [Slides](#)
- 09:30 **Status report on Crystal Calorimeter R&D 30'**
Speaker: Dr. Yong Liu (Institute of High Energy Physics)
Material: [Slides](#)
- 10:00 **PFA calorimeter optimization 30'**
Speaker: Dr. Jianbei Liu (University of Science and Tech)
Material: [Slides](#)
- 10:30 **Coffee break 30'**
- 11:00 **Status report on HCAL R&D 30'**
Speaker: Haijun Yang (Shanghai Jiao Tong University)
Material: [Slides](#)
- 11:30 **CEPC software framework prototype 30'**
Speaker: Dr. Jiaheng Zou (高能所)
Material: [Slides](#)

Accelerators

Convener: Dr. Qing Qin (高能所)

- 14:00 **SppC SC magnets R&D status 25'**
Speaker: Dr. Qingjin XU (高能所)
Material: [Slides](#)
- 14:25 **CEPC-SppC compatible design status 25'**
Speaker: Mr. 毅伟 王 (高能所)
Material: [Slides](#)
- 14:50 **CEPC injection/extraction physics and hardware design status 25'**
Speaker: Dr. Jinhui Chen (Institute of High Energy Physics)
Material: [Slides](#)
- 15:15 **Coffee break 30'**
- 15:45 **CEPC booster and damping ring status with conection transferlines 25'**
Speaker: Dr. 逗 王 (高能所)
Material: [Slides](#)
- 16:10 **CEPC dumpand dump transerline designs 25'**
Speaker: Mr. Zhongjian 马忠剑 (高能所)
Material: [Slides](#)
- 16:35 **CEPC installation and warehouse logistics 25'**
Speaker: 佳斌 王 (N)
- 17:00 **CEPC parameters design for high luminosity Higgs and difference with FCC-ee 1**
Speaker: Dr. 逗 王 (高能所)
Material: [Slides](#)