

Introductory remarks

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*Institute of High Energy Physics
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Hong Kong Program and Conference

- **Conference, January 20-22**

- <http://iasprogram.ust.hk/hep/2020/>
- Mostly settled but still waiting on a few potential speakers from europe (FCC, CLIC)
 - If you have not been contacted by us (Joao+Paolo), and you think you should be giving a talk, please tell us immediately.

- **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: Physics requirements
 - Still seeking two theorists
 - Zhijun: Tracking requirements
 - Yong Liu: Calorimeter requirements
- Day 2: Software framework — settled

- Accelerator Mini-workshop — Machine Detector Interface - Jan 16, 17

- **CEPC physics workshop, HK satellite meeting, organized by Manqi**

- Weekend before conference: Jan 18-19



Other Future Events

- **FCPPL, 27-30 Apr 2020 in Bordeaux**
- **CEPC Workshop EU Edition, 4-6 May 2020, Marseille**
 - <https://indico.in2p3.fr/event/20053/>
- **2nd USA Workshop in Washington, DC - April 22-23**
 - <https://indico.cern.ch/event/863751/>
- **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
- **Next CEPC Work Day: December 30**
 - Back to focus on tracking detectors
 - Top threshold running
 - CEPC background studies
 - Documentation issues



Physics and Detector Subgroup Conveners

■ Sub-groups

■ ■ MDI:

Zhu Hongbo, zhuhb@ihep.ac.cn

■ ■ VTX:

Ouyang Qun, ouyq@ihep.ac.cn

Sun Xiangming, sph2007@126.com

Wang Meng, mawang@sdu.edu.cn

■ ■ Tracker:

Li Yulan, yulanli@mail.tsinghua.edu.cn

Qi Huirong, qihr@ihep.ac.cn

■ ■ ECal:

Hu Tao, hut@ihep.ac.cn

■ ■ HCal:

Liu Jianbei, liujianb@ustc.edu.cn

Yang Haijun, haijun.yang@sjtu.edu.cn

■ ■ Muon:

Li Liang, liangli@sjtu.edu.cn

■ ■ Physics Analysis and Detector Optimisation:

Ruan Manqi, ruanmq@ihep.ac.cn

Fang Yaquan, fangyq@ihep.ac.cn

Li Qiang, qliphy@gmail.com

Li Gang, li.gang@mail.ihep.ac.cn

■ ■ Magnet

Zhu Zian, zhuza@ihep.ac.cn

Zhao Ling, zhaoling@ihep.ac.cn

- Need to re-appoint several conveners and expand to include international participation
 - Several have stepped down
- Please send me nominations for **all** positions
 - Previous requests have resulted in very few nominations
 - Include nominations for national and international people
 - The project leadership recognizes the need to renew this list
 - Should discuss further at steering group meeting on Dec. 30.



Physics and Detector Subgroup

- MDI
- Vertex
- Silicon Tracker
- Gas Tracker (includes TPC, Drift Chamber, etc)

Please provide suggestions on subgroup structure as well

- Electromagnetic Calorimeter
- Hadronic Calorimeter

**Merge to include DR calorimeter? Or, expand?
I convener for each calorimeter?**

- Muon Detector
- Magnet
- TDAQ

- Physics Analysis and Detector Optimization
 - Software tools
 - Detector optimization
 - Physics

Split?



Top threshold running

- Request from IAC to consider top threshold running at CEPC
- Accelerator project is asking to evaluate the scientific benefits of such run. What energies are preferred?
- Discussion to follow at next Steering Group meeting
- Cen Zhang will present today to continue the discussion
- Last week, Yaquan has agreed to pursue this topic to summarize the current status



Other Conferences

- "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
- 3rd FCC Workshop, CERN, Jan 13-17, 2020.