

Introductory remarks

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CDR Schedule

- **Sat, Sept. 1 (US eastern time):**
 - Draft v2.0 was sent for review by international committee
 - Link is public from our indico page: <https://indico.ihep.ac.cn/event/8650/>
 - <https://indico.ihep.ac.cn/event/8650/contribution/24/material/0/0.pdf>
 - Feel free to provide this link to colleagues for reviews and consideration of authorship
- **Monday, Sept. 10:** Rehearsal talks for IRC meeting (full day meeting)
- **Tuesday, Sept. 11:** Print copies for review committee visit at IHEP
 - Any updated material we want to introduce should be there by Monday. Please fix typos and obvious mistakes. New material should be vetted before being included.
- **Thu-Sat, Sept. 13-15:** International Review Committee Meeting
 - Get preliminary recommendations from committee
- **Fri, Sept. 21:** Publish CDR on the CEPC website



CDR Authorship

- Information continues to be collected at:
 - <https://indico.ihep.ac.cn/event/8717/registration/register#/register>
- Please advertise at your own institution, and don't forget your own names!
- Please make sure all international partners are contacted to include their names in the CDR, if they wish to do so.
 - Follow up with them if you don't hear back from them
 - Contact people you know directly
 - A mass email to a collaboration is not as effective as a personal email to people you know has been involved (CALICE, LC-TPC, ...)
- Did not include the authorlist in v2.0 since it was still preliminary
 - We have over 820 names on it by now



International Review

- **Meeting dates: Sept 13-15**
- **Committee Members (present in Beijing):**
 - Mogens Dam (NBI) - FCC-ee - FCC-ee design studies
 - Sasha Glazov (DESY) -- LEP/ATLAS/BELLE Physicist -- International detector mini-review
 - Hitoshi Yamamoto (Tohoku University) -- ILC
 - Bill Murray (Warwick) - LEP/ATLAS Physicist
 - Liang Han (USTC) - ATLAS
 - Marcel Vos (Valencia) - ATLAS/ILC/FCC/silicon
 - Marcel Stanitzki (DESY) - SiD spokespersons - silicon detectors
 - Claudia Cecchi (INFN/Perugia) - Calorimetry (Belle2/CMS) - former member of LHCC
 - Maxim Perelstein (Cornell) - Theorist
 - Tao Han (Pittsburgh) - Theorist
 - Christophe Grojean - Theorist
- **Three other people offered to attend remotely**
- **Some more offered to read the draft ahead of time**



International Review Agenda

- **Preliminary agenda:** <https://indico.ihep.ac.cn/event/8706/other-view?view=standard>
- Conveners and editors should be available to attend this meeting in person
 - There will be limitations on the numbers to attend since I assume we will use A415, but we need to have experts to answer the questions from the committee

First Day		
Time		Speaker
08:30	Committee Executive Session	
09:00	Session 1	
09:00	Welcome	IHEP Management
09:05	Overview of detector CDR	Joao
09:35	Physics Motivation	LianTao
10:15	Coffee break	
10:45	CEPC Experimental Conditions, Physics Requirements and Detector Concepts	Mangi, Franco Bedeschi
	Session 2	
11:25	Vertex	Ouyang
12:05	lunch	
14:00	Silicon	Wang Meng
14:40	TPC	Huirong
15:20	Coffee break	
15:50	Discussion with CEPC team	
16:30	Committee Executive Session	
18:00	Dinner	

Possible short
accelerator talk

Move MDI talk here



International Review Agenda

Second Day		
8:30	Full silicon	<u>Chengdong FU</u>
9:10	Drift Chamber	Franco <u>Grancagnolo</u>
	Session 3	
9:50	ECAL	<u>Jianbei</u> or Tao
10:20	Coffee break	
10:50	HCAL	<u>Haijun</u>
11:30	Dual-readout	Franco <u>Bedeschi</u>
12:10	Lunch	
	Session 4	
14:00	Magnet	<u>Zian</u>
14:40	<u>Muon</u>	Liang/Paolo <u>Giacomelli</u>
15:20	Coffee break	
15:50	DAQ	<u>Kejun</u> or Li <u>Fei</u>
16:30	Discussion with CEPC team	
17:10	Committee Executive Session	
18:10	Dinner	
Third Day		
8:30	MDI	<u>HongBo/Suen</u>
	Session 5	
9:10	Physics performance	Gang
9:50	Physics analysis	<u>Jianming/Zhijun</u>



International Review Agenda

Saturday discussion and executive sessions

10:20	Coffee break	
10:50	Discussion with CEPC team	
11:30	Committee Executive Session	
12:10	Lunch	
14:00-16:00	Committee Executive Session	
16:00	Coffee break	
16:30-17:00	Summary	





Towards Draft Version 3.0

- We need to continue improving the CDR draft fixing mistakes and typos
 - Draft v2.1 — can be released when review committee visits. Only minor modifications and mistake corrections will be allowed in this draft
 - Draft v3.0 — to be released after the committee review visit. All modifications from reviewers and additional important material will be added to it
- Rolling indico page with current draft:
 - <https://indico.ihep.ac.cn/event/8650/>
- Major Outstanding issues:
 - ECAL: Calorimeter optimization needs to be updated — Jianbei
 - TPC: Fix some details in TPC chapter — Joao
 - Silicon Tracker: Add details on the current layout (strip type, angles, etc)
 - Anything to update in the performance numbers ? — Jianming, Manqi?
 - Chapter 12 on Future Plans and R&D Prospects to be edited — Joao
 - Summary statement (1-2 pages) to be added — Joao
 - Glossary to be added — Zhaoru/Joao
 - Further general editing — Joao/Gang/Zhaoru
 - Typos, references, formatting, etc



Draft v2.1 - Outstanding Issues

*** OUTSTANDING ISSUES ***, [ii](#)

Calorimeter - Text: Move text into the introduction at start of chapter, [189](#)

Calorimeter-ECAL - Check: check text and results for intrinsic performance, [192](#)

Chapter 3 - are there energy thresholds for the counting?, [116](#)

Chapter 3 - DECISION: Remove any mention of the name IDEA and substitute it with alternative detector?, [130](#)

Chapter 3 - Figure: Expand caption for IDEA detector, [132](#)

Chapter 3 - Figure: update with labels., [128](#)

Chapter 5 - Is CEPC v1 defined somewhere?, [219](#)

Introduction - Reminder - text to be added later:
A preliminary version of this Physics and Detector CDR was reviewed by an international review committee in September 2018. The comments from the reviewers have been taken into account in this final document, and details about it can be found in Appendix, [2](#)

Muon - Figure: Needs update with proper geometry., [256](#)

Performance - Figure 10.9: right figure needs to be updated with new intrinsic geometry, [300](#)

Silicon Tracker - Add Text: add information about sensors in baseline, and angles, etc., [162](#)

Silicon Tracker - Figure: Let's make sure the baseline numbers are consistent with what we presented earlier in the baseline subsection, [175](#)

Silicon Tracker - Text: check text for definitions and modify, [166](#)

Silicon Tracker - Text: Edit strip detector details. I think this is about the strip detect, not the FST. But should check later., [170](#)



CDR Editors

- **General:**
 - **Charlie Young**
 - **Chris Tully**
 - **Joao, Yuanning, Shan**
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