

Brief Introduction

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CEPC Physics & Detector Plenary Meeting



- ③ Group meetings for (sub)projects, e.g. the MDI meeting
 - Organized by project conveners, group leaders etc.
 - For detailed discussion and planning, to coordinate research work.
 - Should be held very regularly, at weekly or bi-weekly basis.

- ② The physics and detector plenary meeting, mini workshops of very specific tasks, etc.
 - It can still be at very technical level. But the discussion has much broader participation, and hence more rich inputs.
 - Interconnections with other projects can be discussed thoroughly, so they can develop coherently.
 - Results, plans, and even issues should be under close scrutiny before going out to more formal and high level meetings.

- ① High level meetings: the CEPC days, major workshops, conferences.

- Without discussing at the proper levels prior to a presentation, it may waste precious time of other colleagues and/or damage the project.



- ❖ The afternoon of the upcoming CEPC day (2019.12.30) is dedicated to physics and detector (14:00–17:30). We may fit in ~7 talks (20'+10'). Joao & I came up with the following list:
- 1. Physics at top threshold and above (Yaquan)
- 2. Mechanics and simulation of the Silicon Vertex Detector (Gang)
 - Includes work from Jinyu, Mingyi, Zenghao & others **(To be decided)**
- 3. Full size sensor of the Silicon Vertex Detector (Wei Wei)
 - Combines work from both MOST1 & MOST2 projects
- 4. Status and plan of the TPC (Huirong)
- 5. Status of the Drift Chamber (Nicola De Filippis)
- 6. Plan of the CEPC software (Weidong / Shengsen)
- 7. Status of the response to the Detector R&D Committee (Joao)
 - More work are needed from all relevant parties.



- ❖ The next meeting will be on Jan 8th, 2020. We will skip Wed, Jan 1st, and maybe also Jan 15th due to the HK meetings.

- ❖ Subjects to be presented and discussed in the upcoming meetings:
 - Beam backgrounds
 - MDI mechanics
 - Silicon tracker
 - Time resolution requirement of the calorimeter
 - Mechanical design of the Silicon Vertex Detector (if not ready today)
 - Detector optimization for the Silicon Vertex Detector (if not ready today)
 - ...