

CEPC Website and Documentation System

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Special thanks to Shuoping Wen, Yinghua Jia, Qiumei Ma
and Yiling Liu

Outline



- CEPC website
- CEPC documentation system

CEPC website



- Basic functionalities: to release news and record CEPC events
- A preliminary version released on 31 Dec, 2013; resides temporarily on a BESIII server

The screenshot shows the CEPC website homepage. The header is blue with the CEPC logo and the text "Circular Electron Positron Collider". Below the header is a navigation menu with links: Home, About CEPC, Activities, Results, Internal. There is also a search bar with the text "Enter keywords....." and a "Search" button. The main content area is divided into two columns. The left column has a section titled "Future High Energy Circular Colliders" with a paragraph of text. Below this is a section titled "Important events" with three links: "Circular Electron-positron Collider (CEPC) Kick-off Meeting, Sep.13-14, 2013", "International Workshop on Future High Energy Circular Colliders, Dec.16-17, 2013", and "Center for Future High Energy Physics (set up on December 17, 2013)". The right column has three sections: "Announcement" with a link "International Workshop on Future High Energy Circular Colliders", "Job Vacancies" with a link "Postdoc Fellow Position", and "Sign for Contribution".



Updates— Redesign

- Ongoing efforts to improve the website structure and to enrich the content
- A new version to be released in coming days



credits to Y. Jia & S. Wen

- The Internal (under construction) directed to the [collaboration Twiki](#)

Contents

<http://cepc.ihep.ac.cn>



- [Internal](#) : link to the internal Twiki
- [Events](#) : record of past events and announcements of future events

- [HOME](#) : general introduction
- [ABOUT CEPC](#) : introduction to CEPC
- [ORGANISATION](#) : organisational structure and WG activities
- [RESULTS](#) : publications and more
- [WHY SCIENCE](#) : motivations to pursue basic scientific researches
- [JOIN US](#) : subscribe to express interests

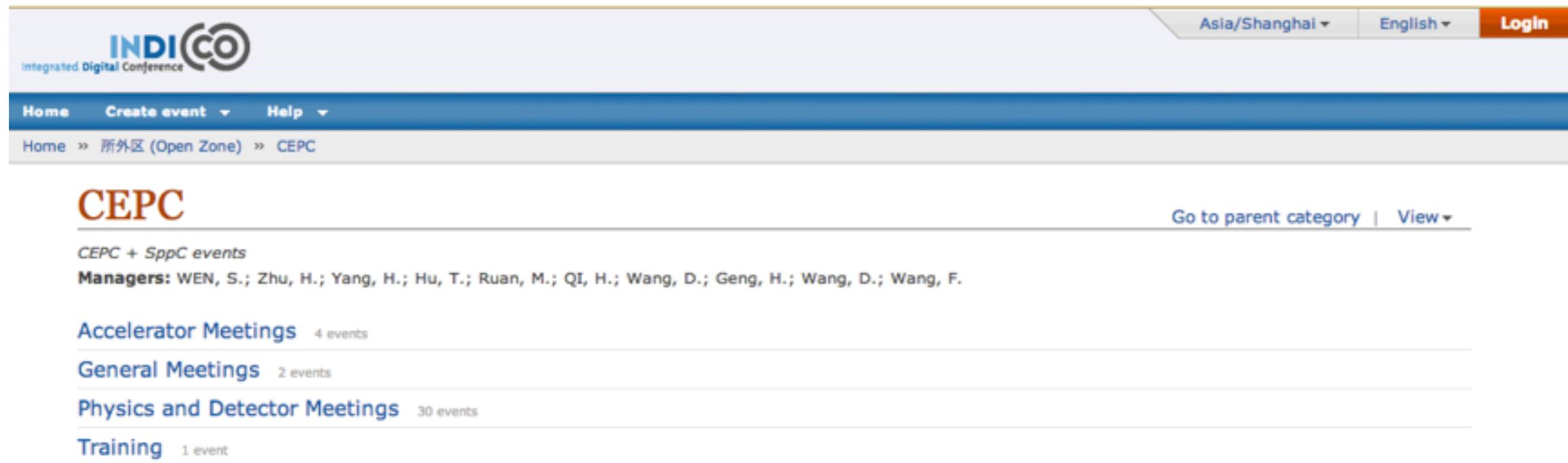
- [Not displayed](#): job opportunities, external links, etc.

CEPC Logo your creative idea to: cepc-admin@ihep.ac.cn

Indico Page



- [Working group regular meetings](#) → important to record our preliminary work (not ideal with indico though)
- Events password-protected: [cepc](#)



INDICO Integrated Digital Conference

Asia/Shanghai English Login

Home Create event Help

Home » 所外区 (Open Zone) » CEPC

CEPC

Go to parent category | View

CEPC + SppC events

Managers: WEN, S.; Zhu, H.; Yang, H.; Hu, T.; Ruan, M.; QI, H.; Wang, D.; Geng, H.; Wang, D.; Wang, F.

Accelerator Meetings 4 events

General Meetings 2 events

Physics and Detector Meetings 30 events

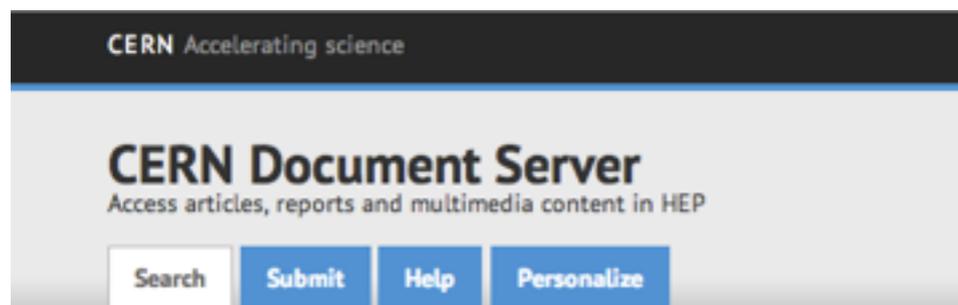
Training 1 event

- If admin permission needed, please send request to zhuhb@ihep.ac.cn .

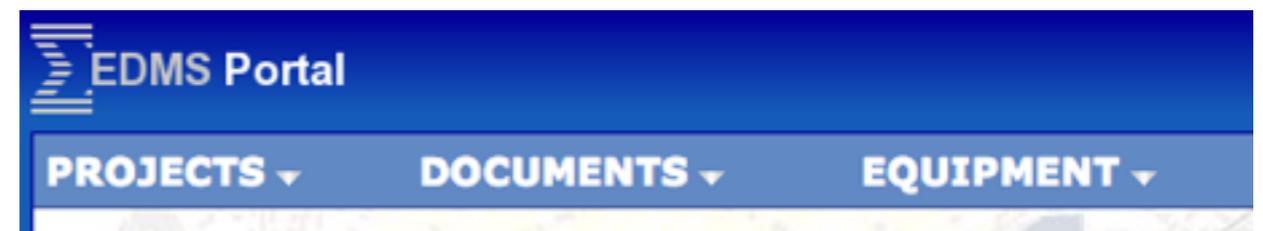
Documentation Systems



- At least **two documentation systems** to (hopefully) realise the basic functionalities of the CERN CDS and EDMS, respectively.
- We will set up our systems based on **DocDB** (see next slide).



Generic documentation system



Engineering Data Documentation System (EDMS)

Project oriented system and much more than documentation



DocDB

- Powerful and flexible documentation system developed by the BTeV collaboration and adopted by many other HEP experiments, including



- Hierarchy file system
- Key features:
 - [Versions](#)
 - [Access control](#)
 - [Indexing](#)

List of Topics

[[DocDB Home](#)] [[New](#)] [[Search](#)] [[Last 30 Days](#)] [[List Authors](#)] [[List Topics](#)] [[List Events](#)] [[Help](#)]

Location	Subsystem AD	Subsystem Civil Construction	Subsystem Muon
<ul style="list-style-type: none">• All Sites• Control Room• DYB NearHall• Far Hall• Hall 4• Hall 5• LA NearHall• SAB	<ul style="list-style-type: none">• Acrylic Vessels• Detector Tank• Filling system• Liquid Scintillator• Monitoring• Overflow System• PMT Ladders• Reflector	<ul style="list-style-type: none">• Conventional Utilities• Experimental Halls• Other Underground Rooms• Phone/Network/Communication• Surface Buildings• Tunnel <p>Subsystem Electronics and Online</p> <ul style="list-style-type: none">• DAQ• Online Computers• PMT Readout Electronics• RPC Readout Electronics• Racks/Cables• Slow Control• Trigger and Clock	<ul style="list-style-type: none">• Calibration System• Pool Cover• Pool Liner• RPC• RPC Gas• RPC HV• Water System <p>Subsystem Offline</p> <ul style="list-style-type: none">• Hardware/Networking <p>Subsystem PMT</p>
Activity	Subsystem Calibration		
<ul style="list-style-type: none">• Assembly• Cleaning• Commissioning• General• Installation• Lifting/Transport• Preparation/Setup• Shipping• Testing/QA/Dry Run	<ul style="list-style-type: none">• Automated System• LED System/2-in PMTs• Manual System• Sources		

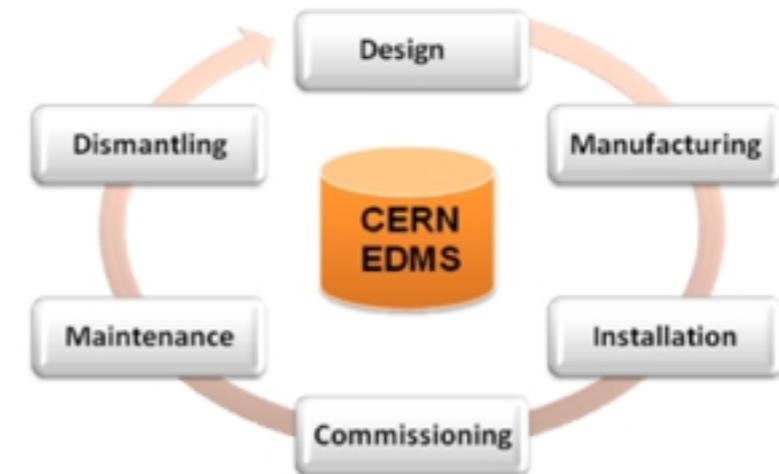
[[DocDB Home](#)] [[New](#)] [[Search](#)] [[Last 30 Days](#)] [[List Authors](#)] [[List Topics](#)] [[List Events](#)] [[Help](#)]

“EDMS will improve communication and document-sharing across organisations during the engineering process.”



EDMS

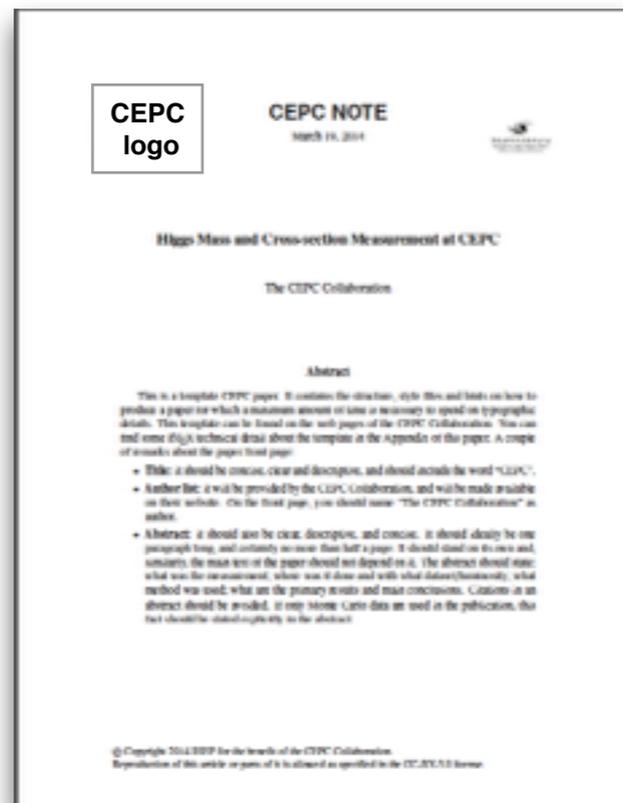
- Engineering Data Management System (EDMS): CAD files, specifications, requirements documents, engineering calculations & analysis, safety documents, QC reports, vendor data ...
- Commercial IT solutions/systems under different names:
 - Engineering data management (EDM)
 - Project data management (PDM)
 - Product life cycle management (PLM)
- Complex and expensive system; powerful but not easy to implement
- With DocDB, we can realise basic functionalities for project management, which might be sufficient.



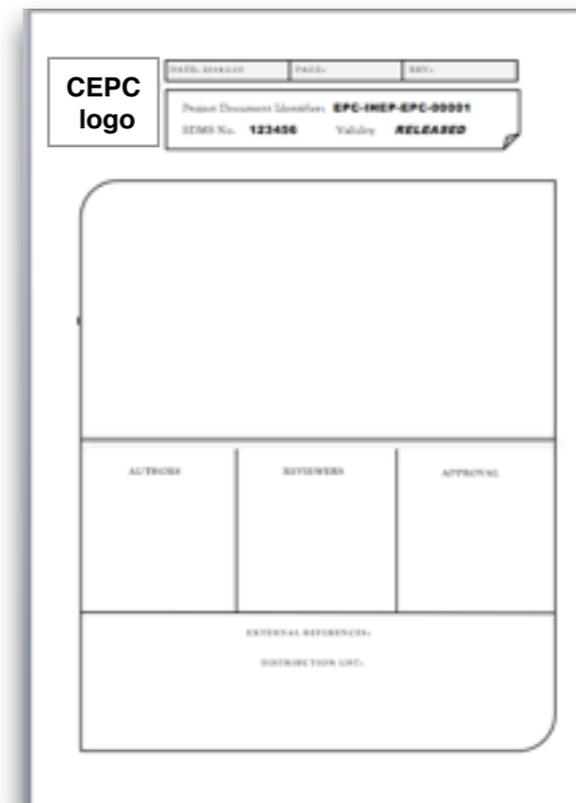


Formats

- We are designing Latex templates for physics notes and Word templates for technical notes (engineering data, etc.).



credits to G. Li



credits to Y. Jia

- What format shall we use for the Pre-CDR?

Reference ID



- DocDB assigns document ID and allows quick search with this unique identifier in the documentation system.

Show DYB-doc-# 9621 -v

- We also need document ID that we can refer to in other documents, in the format of e.g. CEPC-Pub-ACC-XXXX. Please suggest and we will collect them.
- We shall decide how to distribute these reference IDs.

Server



- Ordered via government procurement (in place soon); specifications:
 - Intel Xeon E5-2650 (2.00 GHz), 32 GB DDR3, 2 × 300 GB SSD (system) + 6 × 1TB Disk (storage)
- Maintenance:
 - Hardware maintenance provided by the IHEP IT department
 - Software (DocDB) installed and maintained by Shuoping/Qiumei
- In future, the CEPC website, internal Wiki, code repository (SVN), eLog, etc. will be either moved to or set up on this server.

Summary



- Ongoing efforts to redesign the website — to be released very soon
- Documentation system in place soon and some detailed implementation issues to be addressed

Suggestions to cepc-admin@ihep.ac.cn

DO NOT forget our Logo!