

# CEPC Software and Website Status

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## Outline

- CEPC software tool for installation and management is ready for test
- CEPC software website and documentations is ready for adding contents

# CEPC Software Tool

- Install full CEPC software with simple commands
- Manage software release information
- Being internal tested by several users
- Guide
  - [http://cepcsoft.ihep.ac.cn/docs/scratch/quick\\_start/](http://cepcsoft.ihep.ac.cn/docs/scratch/quick_start/)

# Installation Methods

- Full CEPC software installation
  - Locally download and compile all the packages
- Use CVMFS
  - Only setup once
  - Mount centrally installed software (/cvmfs/cepc.ihep.ac.cn)
  - Keep update with the latest
- Use CVMFS with docker
  - Easy start for personal use
  - Uploaded to docker hub (by Mingrui)
  - `docker run --privileged -i -t cepcsw/cvmfs-cepc`

# CEPC Software Website

- <http://cepcsoft.ihep.ac.cn/>
- Use GitLab to manage the content
  - <http://cepcgit.ihep.ac.cn/web>
- Easy to contribute to the website
  - GitLab account with write access
- Most pages could be written in Markdown
- Could edit on GitLab directly
- Full contents are being added

The screenshot shows the CEPC Software website documentation page. The header is a red bar with the text "CEPC Software" in white, followed by navigation links: "Documentations", "Releases", "Packages", and "Github". The main content area has a light yellow background. On the left, there is a vertical navigation menu with links: "CEPC Software", "Simulation", "Tracking", "PFA", "Starting from Scratch", "Release Note", "Development Guide", "Team & Contact", and "About Web". The main content area features the heading "CEPC Software Documentation" and a welcome message: "Welcome to the CEPC software documentation." Below this is a section titled "Documentation Contents" with a bulleted list: "CEPC Software", "Software Architecture", "Software Framework", "Event Display", and "Packages".

# Plan

- Improve CEPC software tool according to user feedbacks
- Provide easier way to create or modify packages
- Remove unnecessary parts of docker image
- Integrate contents of the website from different writers



Thanks!