



Git for the CDR



Gang Li ●
2017.08.30 ●
CEPC detector meeting ●
●

CEPC Gitlab server: <http://cepcgit.ihep.ac.cn/>

- A gitlab server setup for code and documentation
- It will be used for our CDR
- A LaTeX framework is ready according to Joao’s talk at last workshop

IHEP-CEPC-DR-2015-01	
IHEP-EP-2015-01	
IHEP-TH-2015-01	
CEPC-SPPC	
Conceptual Design Report	
Volume I - Physics & Detector	
The CEPC-SPPC Study Group	
March 2015	
CONTENTS	
Acknowledgments	iii
1 Introduction	1
1.1 The CEPC-SPPC Study Group and the CDR	1
1.2 The Case for the CEPC-SppC in China	1
1.3 The Science in the CDR	1
1.4 The Accelerator and the Experiment	1
2 Overview of the Physics Case for CEPC-SppC	3
2.1 New Colliders for a New Frontier	4
3 Experimental conditions and detector requirements	5
3.1 New Colliders for a New Frontier	6
4 Vertex	7
4.1 New Colliders for a New Frontier	8
5 Tracking system	9
5.1 New Colliders for a New Frontier	10
6 Calorimetry	11
6.1 New Colliders for a New Frontier	12
7 Detector magnet system	13
7.1 New Colliders for a New Frontier	14
8 Muon system	15
	v
vi CONTENTS	
8.1 New Colliders for a New Frontier	16
9 Readout electronics and data acquisition	17
9.1 New Colliders for a New Frontier	18
10 CEPC interaction region and detector integration	19
10.1 New Colliders for a New Frontier	20
11 Physics performance	21
11.1 New Colliders for a New Frontier	22
12 Future plans and R&D prospects	23
12.1 New Colliders for a New Frontier	24

Git account and operation

- Apply account on http://cepcgit.ihep.ac.cn/users/sign_in
- Send your user information to li.gang@ihep.ac.cn and join the group
- Contribute to the CDR
- Operations:
 - fork your own repository one webpage or
 - `git clone` http://cepcgit.ihep.ac.cn/cepcdoc/CDR/tree/master/CDR_draft
 - Edit the local files, add figures ..., latex ...
 - Push the update to git ..
 - `git add "files"`
 - `git commit -m "message of changes"`
 - `git push -u origin master`
- Use search engine to learn more on git
 - <https://git-scm.com/doc>

