TDR of A CEPC Reference Detector

Jianchun Wang

CEPC Ref-TDR Tuesday Meeting

❖ Many thanks to everyone for the efforts, the draft 0 of Ref-TDR is more or less ready.

❖ We are switching to the editing stage. An editorial team had been formed, led by Prof Tianchi Zhao. The team has assigned responsible editors to every chapter. They will provide recommendations to the corresponding chapter team in the following months to ensure the quality.

❖ A few special events:

- Sometime in March, we plan to organize a second review by the IDRC online.

- On May 5-8 the CEPC Workshop EU edition will take place at Barcelona. We planned to arrange the 3rd IDRC review at Barcelona. This is yet to be decided.

- On June 30, the ref-TDR should be ready for the next stage (releasing or starting to prepare for publication).

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Editorial Team Assignment

	Chapter	Chapter Leader(s)	Responsible Editors	
1	Physics Goal and Requirements	Joao Costa / Gang Li	MQR, MSC	
2	Concept Introduction	Haijun Yang / Mingyi Dong	MH, MSC	
3	MDI and Luminosity Measurements	Haoyu Shi	MQR, MYD	
4	Vertex Detector	Zhijun Liang / ?	MYD, WDL	
5	Silicon Trackers	Qi Yan	GL, JBY	
6	Gaseous Tracker	Huirong Qi / Nicola De Filippis	JBL, MYD	
7	Electromagnetic Calorimeter	Yong Liu / Hwidong Yoo	GL, HJY, JBL	
8	Hadron Calorimeter	Sen Qian	HJY, JBL, MH	**TCZ**
9	Muon Detector	Xiaolong Wang / Pavel Pakhlov	JBL, WDL	*JCW*
10	Superconducting Solenoid Magnet	Feipeng Ning	GL, MQR	*JGC*
11	General Electronics	Wei Wei	JBY, MYD, ZW	
12	Trigger and Data Acquisition	Fei Li	MSC, WDL, ZW	
13	Software and Computing	Weidong Li	GL, MH, MSC	
14	Mechanics and Integration	Quan Ji	JBY, MH, ZW	
15	Physics Performance	Mingshui Chen	MQR, WDL	
16	Overall Cost and Project Timeline	Miao He	HJY, JBY	

TCZ	**Tianchi Zhao**
MSC	Mingshui Chen
MYD	Mingyi Dong
MH	Miao He
GL	Gang Li
WDL	Weidong Li
JBL	Jianbei Liu
MQR	Manqi Ruan
ZW	Zheng Wang
HJY	Haijun Yang
JBY	Jingbo Ye
	+
JCW	*Jianchun Wang*
JGC	*Joao Costa*

Prof Jie Gao and Prof Yuhui Li will be invited to help us on chapters 2 and 16

❖ A better overleaf server with a newer version package has been configured and is under test. It should ease the compilation issues that had bothered us.

❖ Once it is certified, we shall recreate the master project and individual chapter projects on the new overleaf server. All chapter leaders, please assign editing privilege to the corresponding editors.

❖ For the immediate round, the editors will add review comments via the overleaf, or any other methods that are agreed upon, e.g. small discussions or comments on a printout.

❖ There may be meetings arranged between the editors and the corresponding chapter team for more detailed discussions.

❖ In the second round, the editors might edit the text directly in a review mode.