Status of the CLIC summary report

CLICdp collaboration meeting, August 28th 2018

Lucie Linssen, CERN

The Compact Linear e^+e^- Collider (CLIC)
-
2018 summary report

Editors: Phil Burrows (Oxford), Aidan Robson (Glasgow), Daniel Schulte (CERN), Eva Sicking (CERN), Steinar Stapnes (CERN), Lucie Linssen (CERN)

Status:

- Document layout defined (see next slide)
- Gitlab directory for shared editing
- Intensive editing September to mid-October
- Collaboration review in November
- Yellow report submission deadline: December 1st 2018

See more detailed schedule considerations on Dominik's slides

editing assignments

		# pages	
1.	**Introduction**	1	
2.	**CLIC physics overview**	-	**Aidan Robson + ..**
	2.1. CLIC physics exploration at three energy stages	2	
	2.2. Higgs physics potential	3	
	2.3. Top quark physics potential	3	
	2.4. Direct and indirect searches for BSM physics	3	
	2.5. Overall CLIC impact on disclosing new physics	3	
3.	**CLIC accelerator design, technologies and performance**	-	**Daniel Schulte**
	3.1. Introduction	2	
	3.2. CLIC design and performance at 380 GeV	3	
	3.3. A klystron-based CLIC at 380 GeV	2	
	3.4. Extension to higher energy stages	3	
	3.5. CLIC technologies	6	
4.	**CLIC detector design, technologies and performance**	-	**Eva Sicking, Lucie Linssen**
	4.1. Experimental conditions at CLIC	2	
	4.2. CLIC detector concept design	2	
	4.3. Detector performance	3	
	4.4. Detector technologies	4	
5.	**CLIC project implementation**	-	**Phil Burrows**
	5.1. Introduction	1	
	5.2. Civil engineering aspects	2	
	5.3. Construction and operation schedules	2	
	5.4. Power and energy consumption	2	
	5.5. Cost	2	
6.	**Future opportunities**	-	
	6.1. Physics motivation	2	Philipp Roloff
	6.2. Opportunities for extension based on future technologies	2	Daniel Schulte
7.	**CLIC objectives for the period 2020-2025**	5	**Steinar Stapnes + CLICdp person**
8.	**Summary**	2	
9.	Acknowledgements	1	

Total number of pages ~63

Timing is tight !

The time scale for the CLIC summary report is tight !

The summary report will mainly use material (plots, tables) from the other reports

Enough time shall be reserved to feed this material to the summary report
=> We cannot have the same deadline for all reports

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The CLIC summary report will play a central role for the two CLIC input documents for the European strategy (10 pages each):

- *One document on the physics case*
- *One document on the CLIC project*

Deadline December 18th