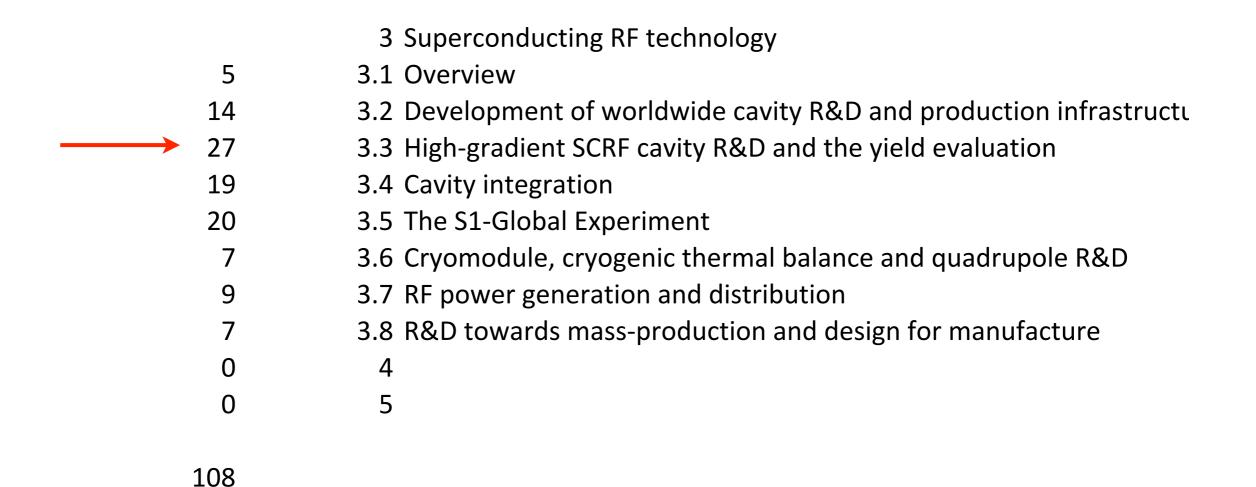
## Status SCRF chapter

E Elsen

#### Summary

- text in LaTeX
- rearranging parts between sections
- no attempt to work on English yet
- many figures missing

#### Brief overview



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#### 3.1 Overview

- Text available
  - can be made more concise once all chapters have been written
  - suggest to reconsider main achievements then
- Key figures have to be added

# 3.2 Development of worldwide cavity R&D and production infrastructure

- List of all infrastructure and tools
  - still some repetition in main text
  - includes table of vendors in regions

# 3.3 High-gradient SCRF cavity R&D and the yield evaluation

- very comprehensive
  - too long, can be shortended
  - most important element of progress worldwide
  - have left the text mostly untouched since it serves as a resource
- Figures still missing

### 3.4 Cavity integration

- Exhaustive
- can still be streamlined: dominance currently is completeness rather than importance.
- (Tentative) conclusions still missing many options seem possible
  - Should have more comparison
    - e.g. coupler conditioning

## 3.5 The S1-Global Experiment

- Very complete
  - Exhaustive for tuners
  - Coupler tests
  - Should decide what is infrastructure and what is S1 global

# 3.6 Cryomodule, cryogenic thermal balance and quadrupole R&D

• Draft form

needs to be updated

# 3.7 RF power generation and distribution

Largely chronological

more emphasis on conclusions

# 3.8 R&D towards mass-production and design for manufacture

Incomplete draft

should make better reference to studies of production models