

# FCC WEEK 2018

Future Circular Collider Conference  
AMSTERDAM, Netherlands

09 - 13 APRIL

[fccw2018.web.cern.ch](http://fccw2018.web.cern.ch)



## Status of the CDR

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On behalf of the EuroCirCol WP5

# Two contributions

We have to provide two contributions:

- a contribution for the «concise, short» CDR volume
- a contribution for the «comprehensive, long» CDR volume

# Short contribution

Apart from some details and pictures, it is ready, about 8 pages.

<b>3</b>	<b>Collider Technical Systems</b>	<b>55</b>
3.1	Requirements and Design Considerations . . . . .	55
3.2	Main Magnet System . . . . .	55
3.2.1	Introduction . . . . .	55
3.2.2	Superconducting Main Dipole . . . . .	55
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3.2.8	Low-beta Triplets . . . . .	60
3.2.9	Other Magnets . . . . .	61

**The document will be shared for final check by the end of April**

# Long contribution

- Introduction (CERN)
- Magnets inventory (CEA)
- Main dipoles
  - Baseline design (INFN)
  - Other design options
    - Block coils (CEA)
    - Common coils (CIEMAT)
    - Canted cosine-theta (PSI)
  - Magnet protection (TUT)
- Low temperature superconductors (CERN)
- Other magnets in the arcs
  - Main quadrupoles (CEA)
  - Sextupoles and octupoles (CERN)
  - Trim and corrector magnets (CERN)
- Insertion magnets
  - Low beta triplets (FNAL)
  - D1 and D2 (KEK + INFN)
- Other magnets (CERN)

**First drafts to be ready by end September, final document to be provided two months later by end November**

Thank you for your attention

