



# **HL-LHC High Order Correctors. Steps towards the series production**

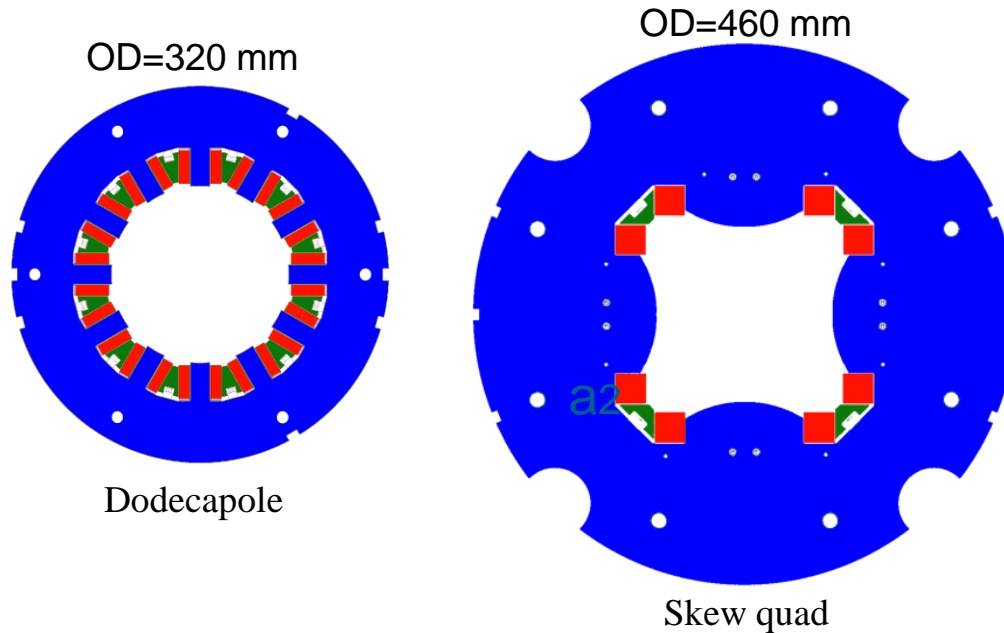


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# Last prototypes in 2018



- Ordered to industry
- To be tested at LASA

## Recall of main steps for last HO correctors:

- Preliminary activity to launch the tender: April 2017
- Official deliberation of INFN to launch the tender: 12 May 2017
- Contract signed: 23 October 2017
  
- Completion of the tools; winding and impregnation first coils: April 2018
- Dodecapole at LASA for test: June 2018
- Quadrupole at LASA for test: Sept. 2018

# Agreement KE3085 for series production

- **July 2018:** Engineering Design of series completed (milestone in KE3085)
- **January 2019:** Award for contract (deliverable in KE3085)

To respect the award of contract in January 2019, we have to start with 6 months in advance (**June 2018**):

- Official deliberation of INFN to launch the tender
- Order of conductor (77 km  $\varnothing=0.5\text{mm}$  + 36 km  $\varnothing=0.7\text{mm}$  ) from 6 to 9 months for procurements after order

This means that the Technical Specification has to be ready in **May 2018**

# Time Schedule for series Contract

- **End of March 2018:** Definition of all parameters for engineering design (CERN-INFN)
- **April 2018:** Completion of Engineering Design of series (INFN)
- **May 2018:** Technical Specification produced (and approved by CERN)
- **May 2018:** Order of conductor (77 km  $\varnothing=0.5\text{mm}$  + 36 km  $\varnothing=0.7\text{mm}$  )
- **June 2018:** Official deliberation of INFN to launch the tender
- **December 2018:** Official deliberation of INFN for the assignment of order
- **January 2019:** Contract signed for series production
- **February 2019:** Conductor ready for winding.