



Task 9.2

iFAST WP9 task leader's remote meeting

17 July 2024

Cristian Pira

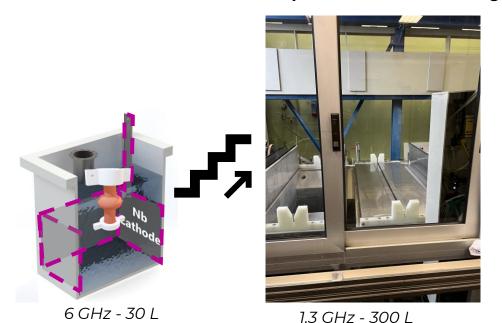
IFAST



1.3 GHz PEP

FAST

- Successfully polished a tube with area > 1.3 GHz area
- Test on 1.3 GHz elliptical cavity soon



QWR Implant @LNL



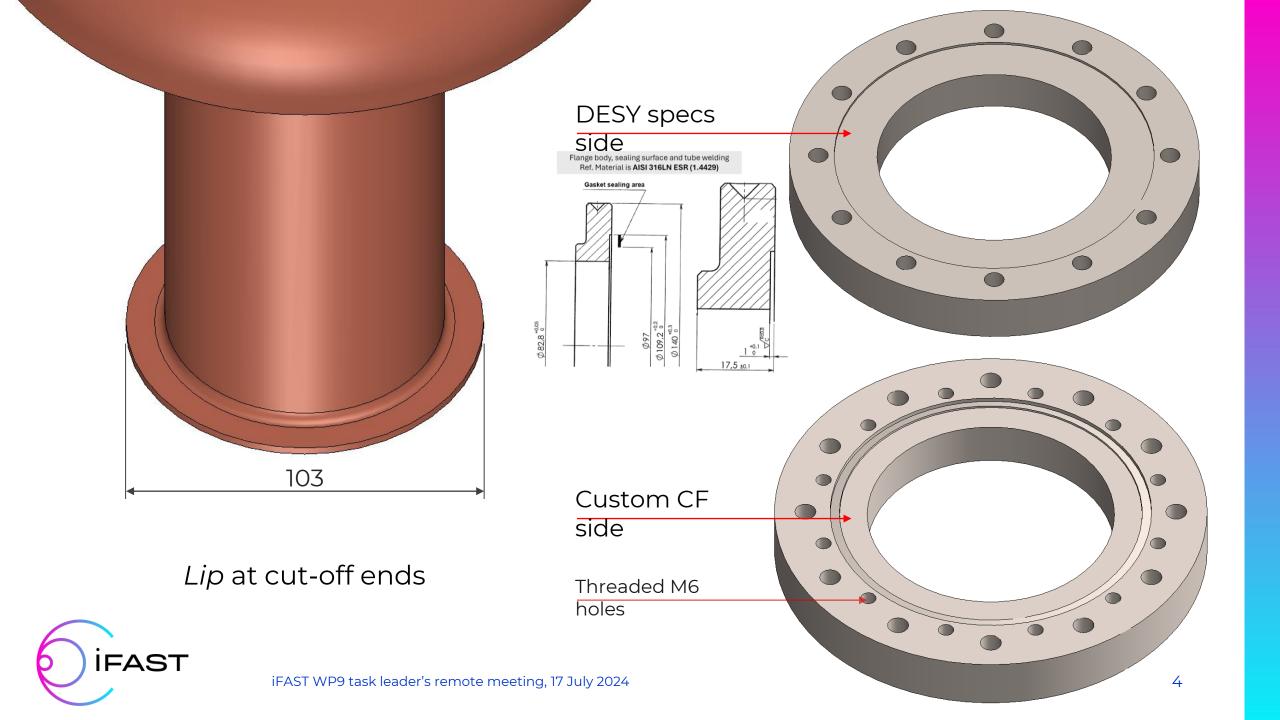


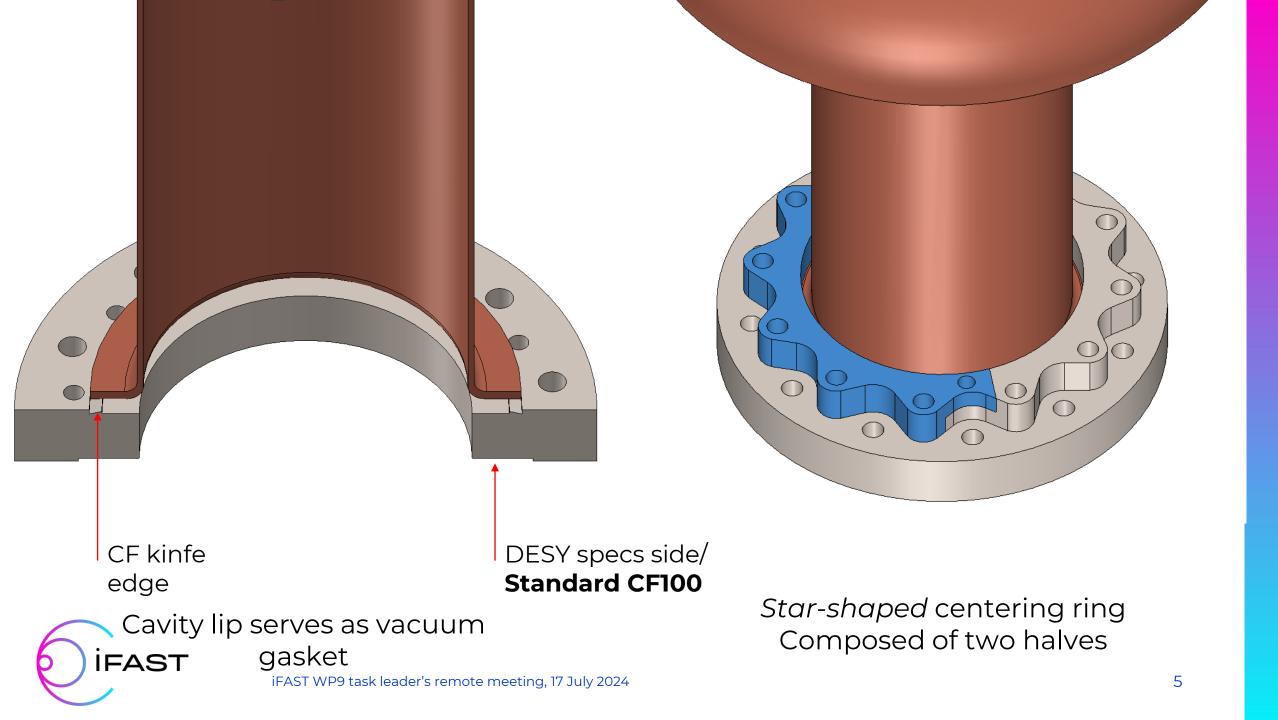
2300 cm 2 internal tube area treated by PEP (150A $_2$ 300V)

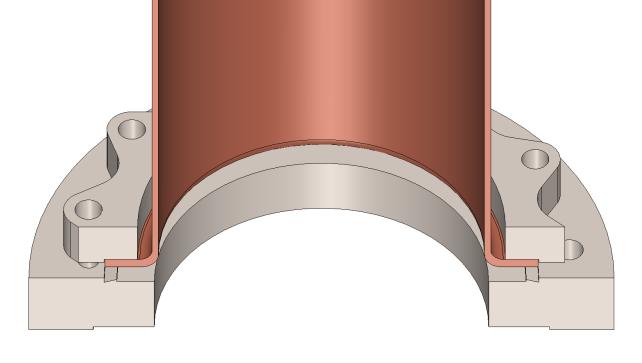
1.3 GHz cavity production

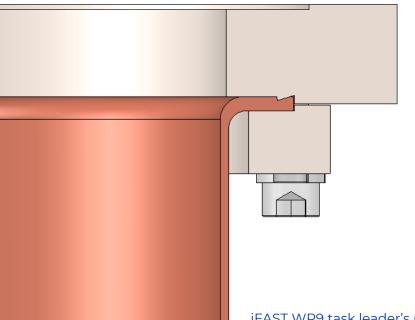
- OFE Cu to anneal at INFN (August)
- New full seamless design produced by Piccoli
- Adaptor flange commissioned
- In July/August Vacuum Test (possibly He test)

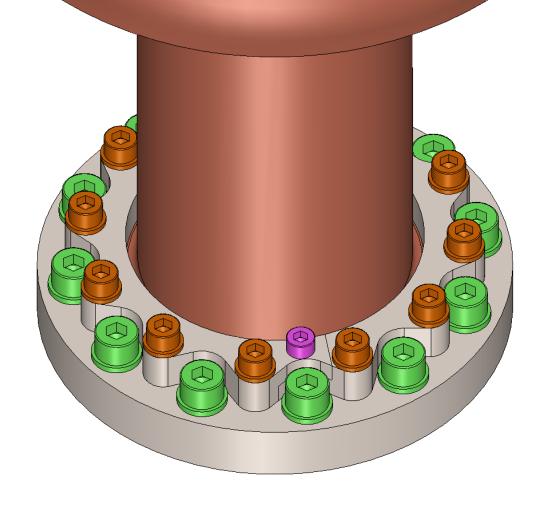












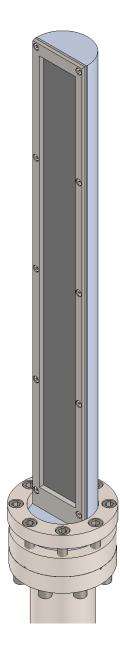
Screws types:

- M5
- M6
- M8 (DESY specs)

1.3 GHz coating system

- Rectangular Magnetron commissioned
- October first test
- Very strictly with April 2025 deadline (an extension really would help)





Showstoppers (Task 9.3)

 6 GHz RF measurement system: issue with Signal amplifier >> RF test not possible at the moment



