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Status of the straight Nb-Ti CCT demonstrator magnet fabrication at CIEMAT

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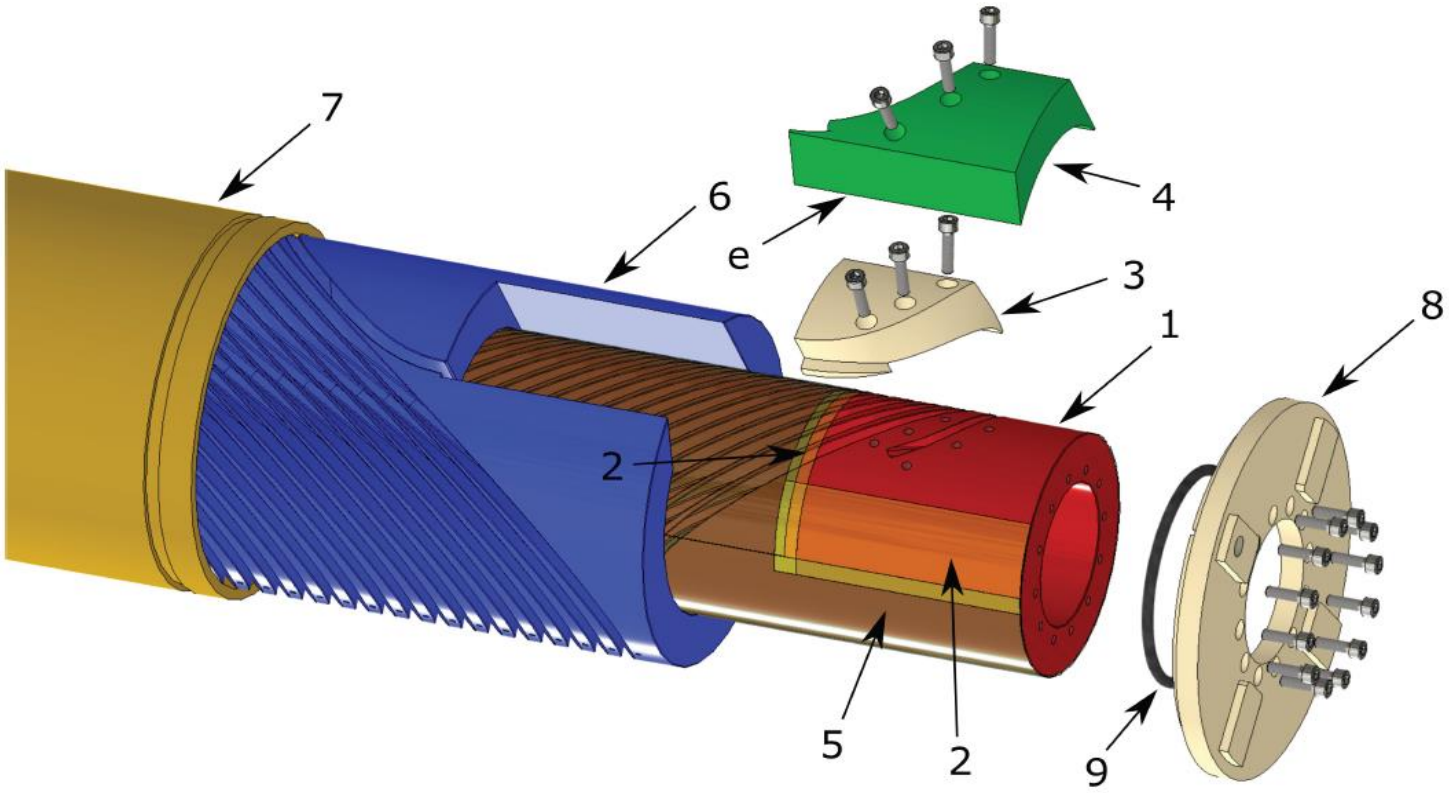
Layout

- Engineering design
- Progress
- Next steps

Engineering design



Progress

- The tubes for the formers are in house (sent by INFN).
- The order for the machining has been placed (Arquimea, Spain). They will use a 4-axis CNC milling machine.
- The order for a new winding machine has been placed.
- The design of a structure to hold 2x8 spools of wires is ongoing.
- The commissioning of the new prototype magnet laboratory at CIEMAT is ongoing.
- The spools of superconducting ropes are in house (sent by INFN).
- Revision of 3D model made by D. Barna is ongoing.
- Study of a short simplified mock-up is ongoing.

Next steps

- Quality control of the superconducting ropes.
- To finish the review of 3D model to go on with fabrication drawings.
- To finish the study of the mock-up to go on with modeling and fabrication drawings.