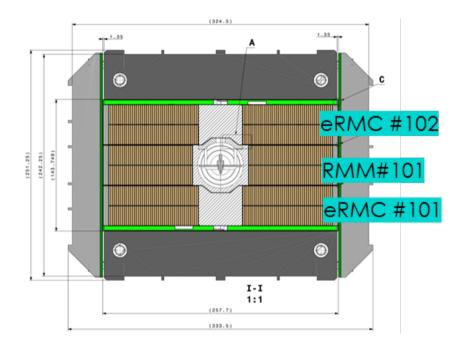
CERN Update on Activities Relevant to FuSuMaTech

L. Bottura CERN TE-HDO FuSuMaTech Annual Meeting 14 December 2021



Racetrack Model Magnet



Achieved a **cavity field of** ~**16.4 T** at 1.9 K (corresponding to a **conductor peak field of** ~**16.6 T**).

2D X-section of TE-MSC-SMT RMM Demonstrator



Courtesy of A. Devred, CERN TE-MSC

Excerpts from HTS activities

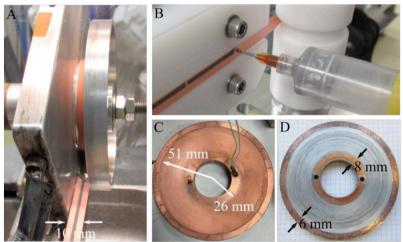
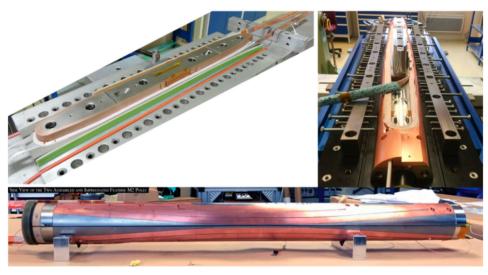
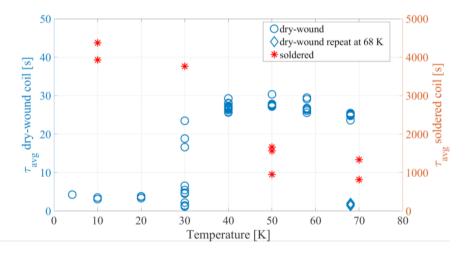
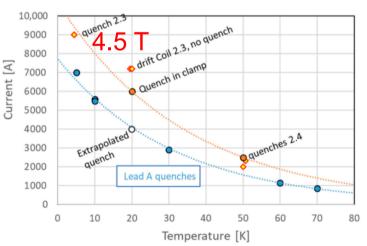


Fig. 3. Pictures of (a) winding the soldered-coil, (b) applying solder paste to the tape, (c) dry-wound and (d) soldered coil.



● Run 1 ● Run 2 ◆ Run 3







Courtesy of T. Nes, G. De Rijk, G. Willering, CERN

2nd STEAM workshop:

Training, networking, building simulation community

https://indico.cern.ch/event/1060073/ https://videos.cern.ch/search?page=1&size=21&q=keywords.name:%22STEAM%22

2nd STEAM Workshop Oct 11 - 15, 2021 Updates on STEAM development Europe/Zurich timezone Presentations from STEAM users Overview Participant List Hands-on sessions on all the tools 47 participants Timetable Contribution List First Name Last Name Affiliation Registration Brookhaven National Laboratory AVRONSART Julien Participant List Babouche Romain CEA - IRFM Daniel Wigner Research Centre for Physics Barna Barthlott Dominic KIT



Courtesy of A. Verweij and M. Wozniak, CERN TE-MPE

European Strategy for Particle Physics Accelerator R&D Roadmap

Editor: N. Mounet (CERN, Geneva, Switzerland)

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