

## Forced flow cooling of HTS CORC cable used in superconducting coil

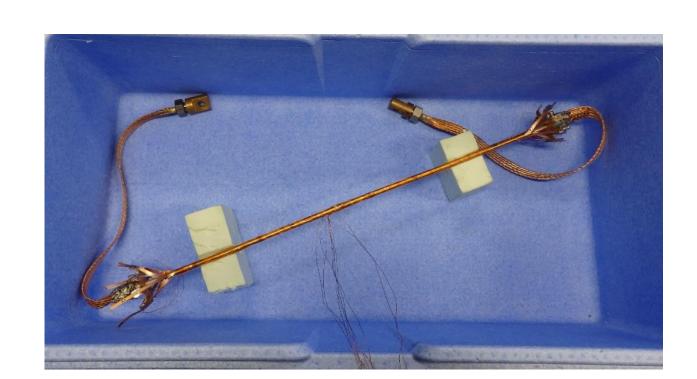
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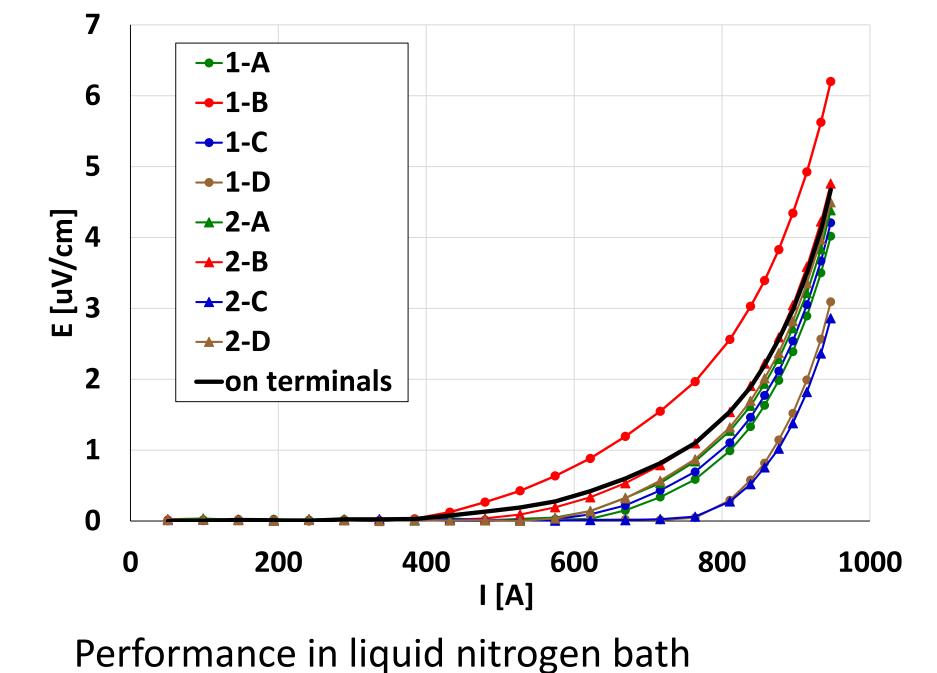
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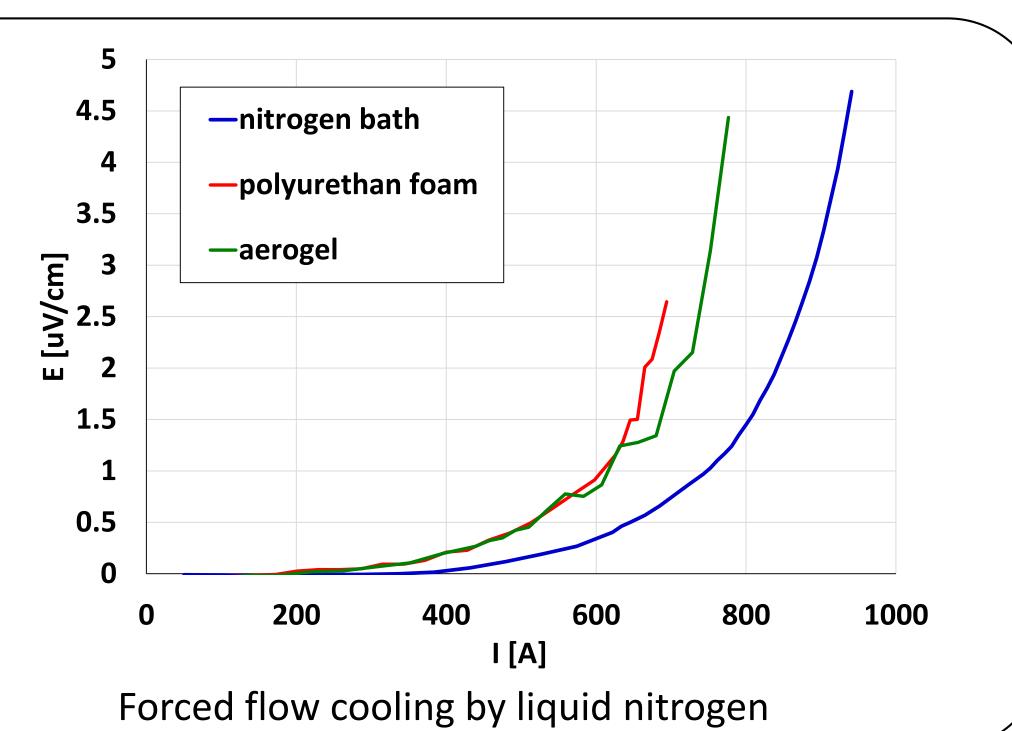


## Forced flow cooled cable

Cable with 2 layers, each of 4 tapes Length – 40 cm



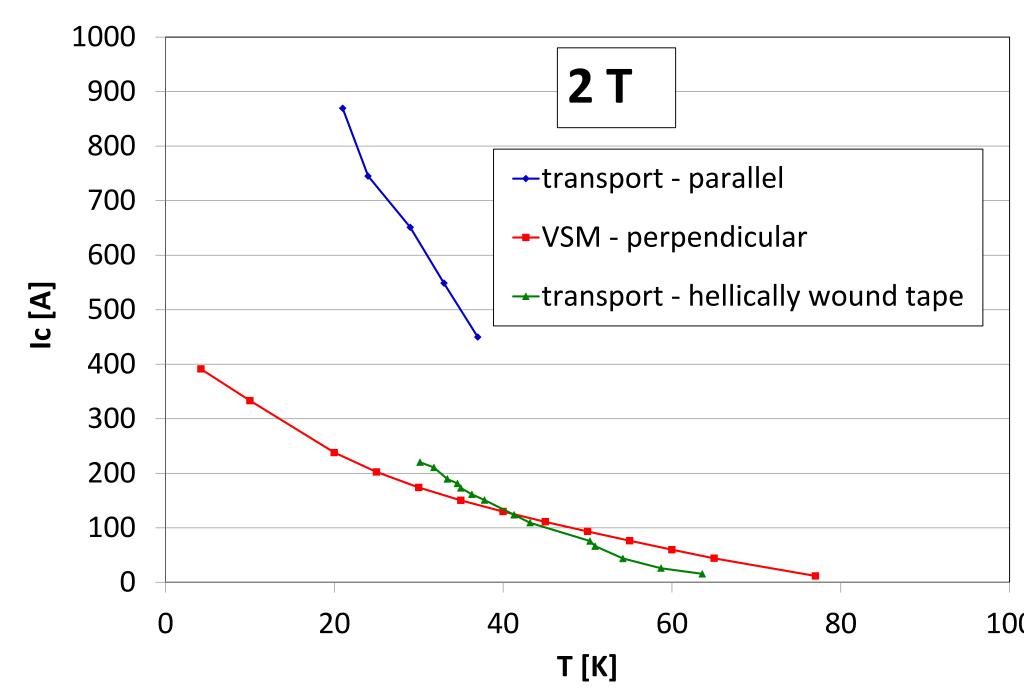




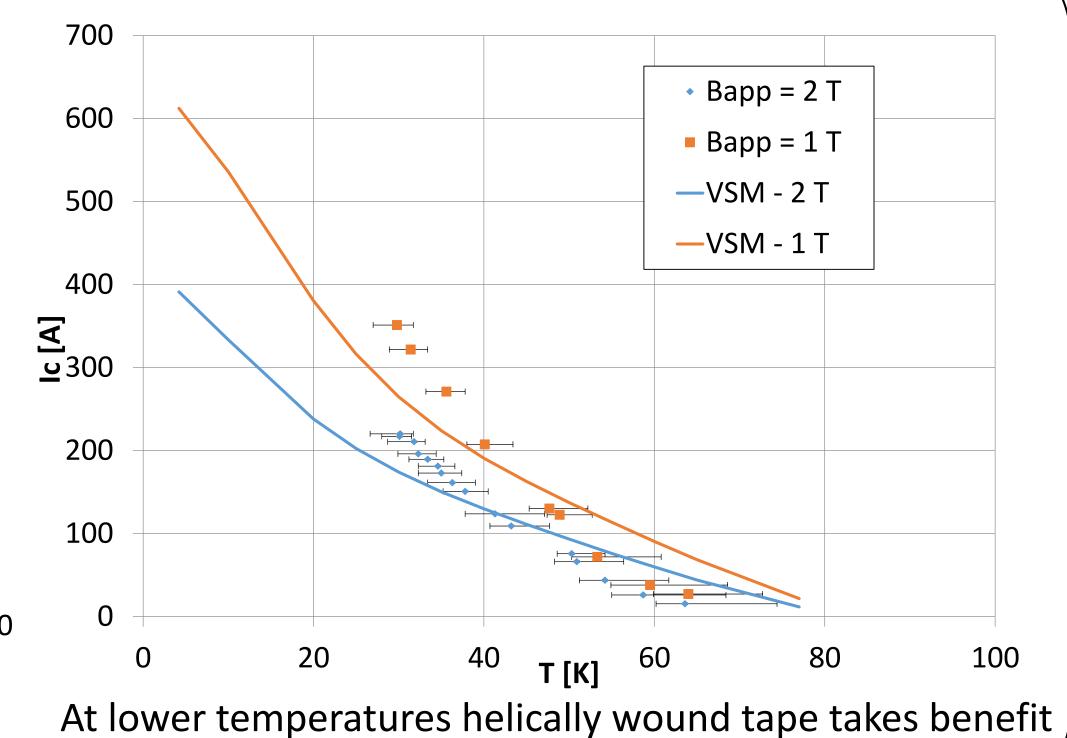
## Test coil with single tape





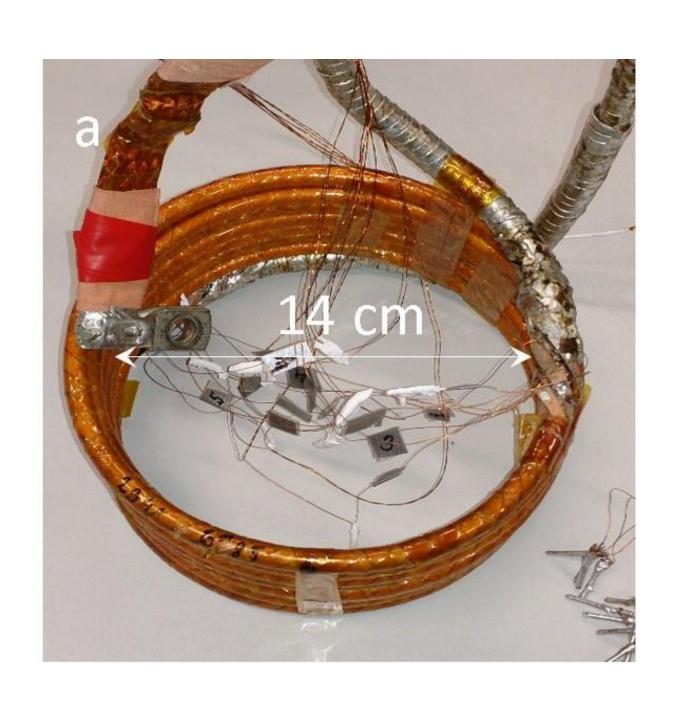


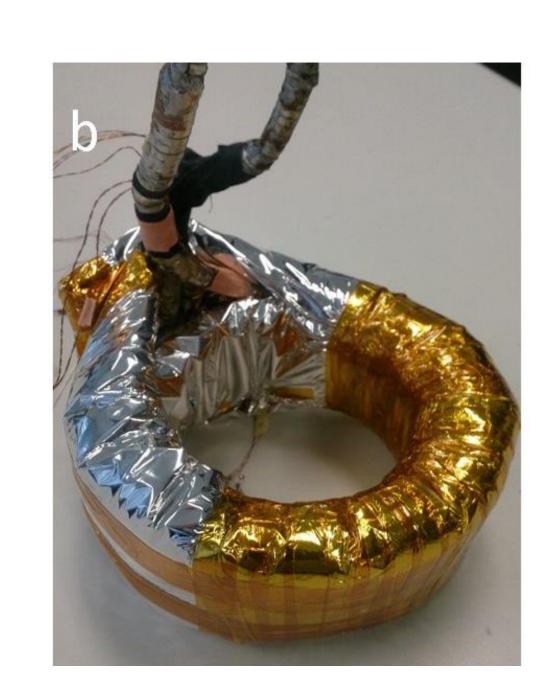
Performance of helically wound tape is close to tape in perpendicular field

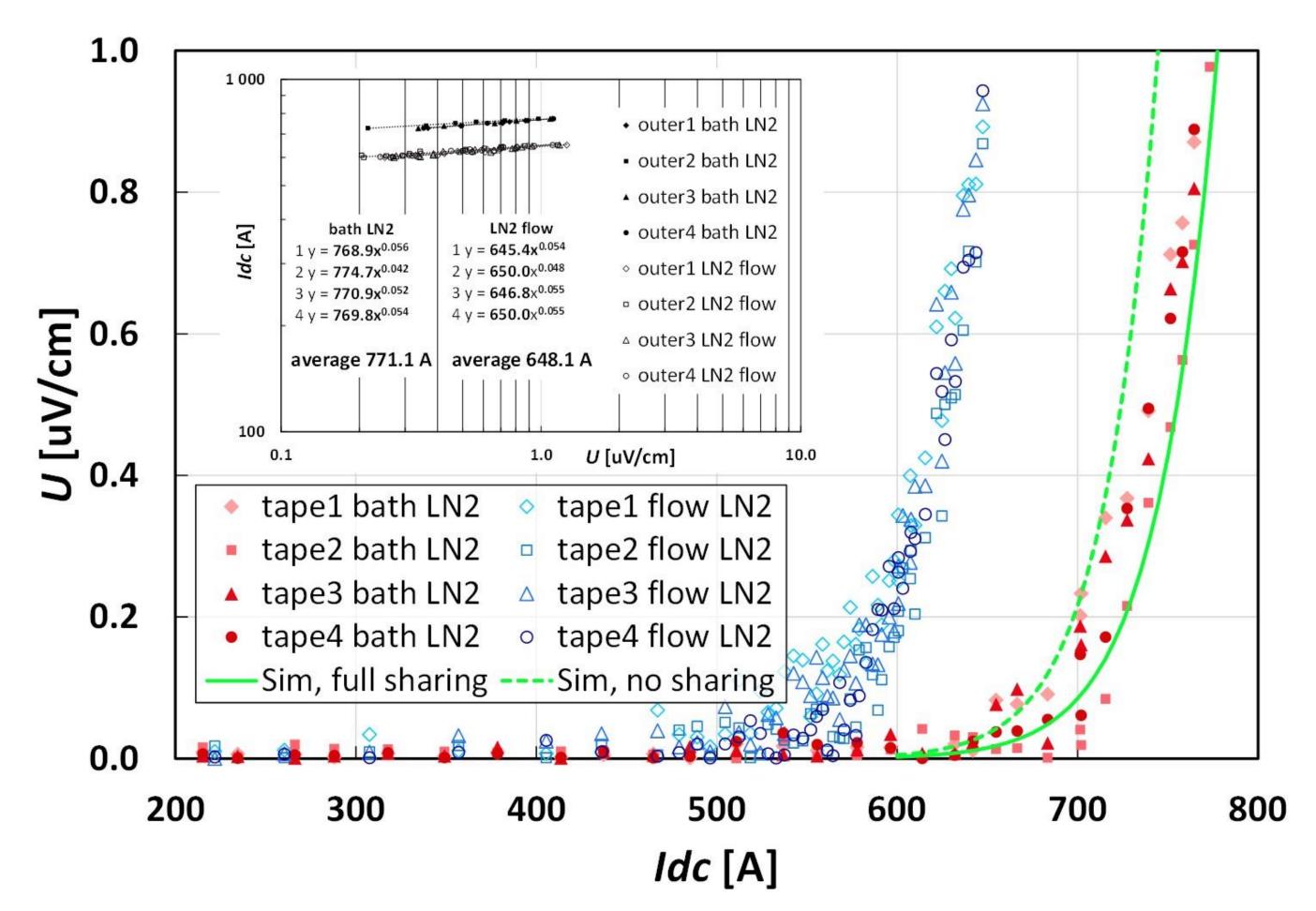


## Coil made of cable with 4 tapes

- non-vacuum insulation (aerogel)
- 4 superconducting tapes (SuNAM)







of higher anisotropy

Temperature elevated by about 1.5 K above LN2 temperature









Co-funded by:



