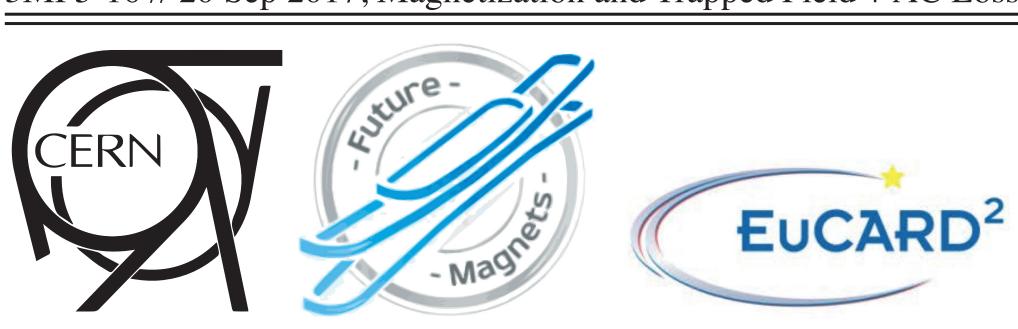
Superconucting Transition at Different Ramp-Rates



EUCAS Conference, Geneva, 2017

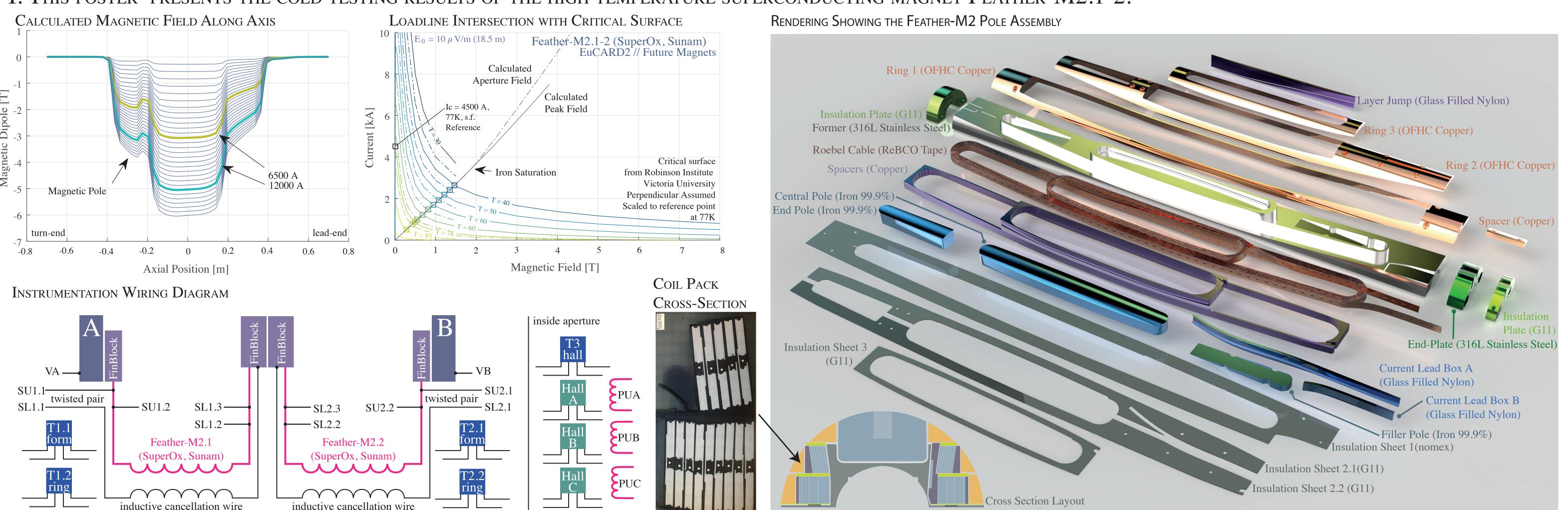
Measured EI-Curve Showing the Soft S.C. Transition

Powering of an HTS Dipole Insert-Magnet Operated

STANDALONE IN HELIUM GAS BETWEEN 5 AND 85 K

J. van Nugteren, G. Kirby, H. Bajas, M. Bajko, A. Ballarino, L. Bottura, A. Chiuchiolo, P-A. Contat, M. Dhalle, M. Durante, P. Fazilleau, A. Fontalva, P. Gao, W. Goldacker, H. ten Kate, A. Kario, V. Lahtinen, C. Lorin, A. Markelov, J. Mazet, A. Molodyk, J. Murtoma ki, N. Long, J. Perez, C. Petrone, F-O. Pincot, G. de Rijk, L. Rossi, S. Russenschuck, J. Ruuskanen, K. Schmitz, A. Stenvall, G. Willering and Y. Yang

I. This poster $\,$ presents the cold testing results of the high temperature superconducting magnet $\,$ Feather-M2.1-2.



II. A factor 1.5, difference was found between the fitted critical current and the quench current. Between these two values a current sharing regime is present in which the magnet is partially resistive, resulting in heating. This current sharing regime can be subdivided further in a stable zone and a drift zone.

Measured Critical and Quench Currents vs Operating Temperature

