

VLHC- Magnet Workshop FNAL, May 24-26, 2000

BNL HTS Tape Common Coil Magnets

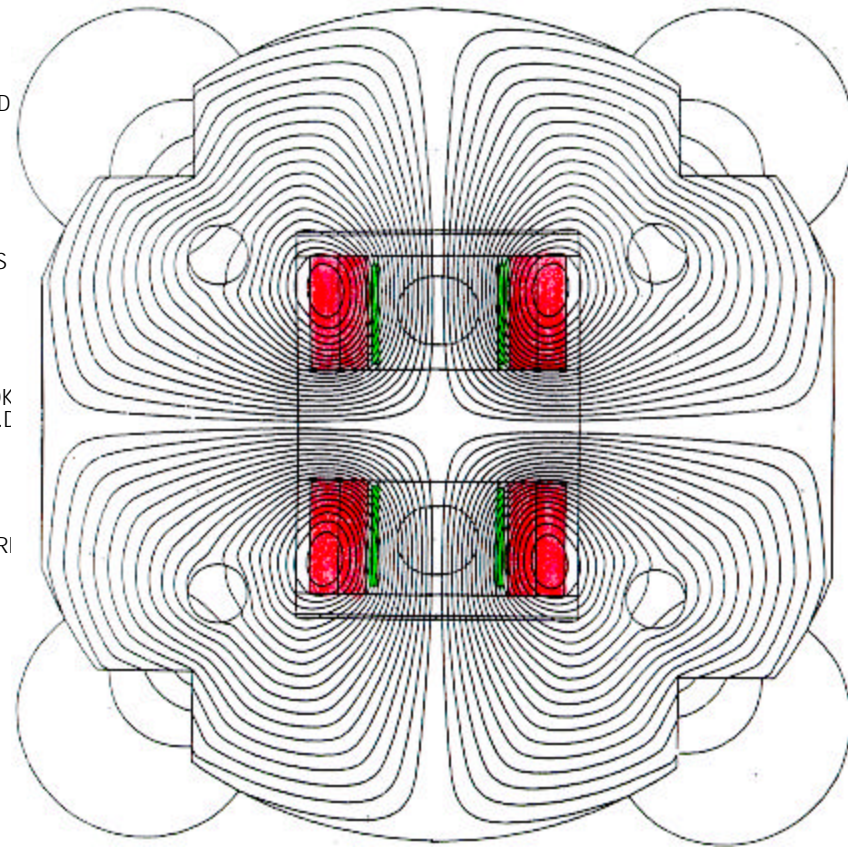
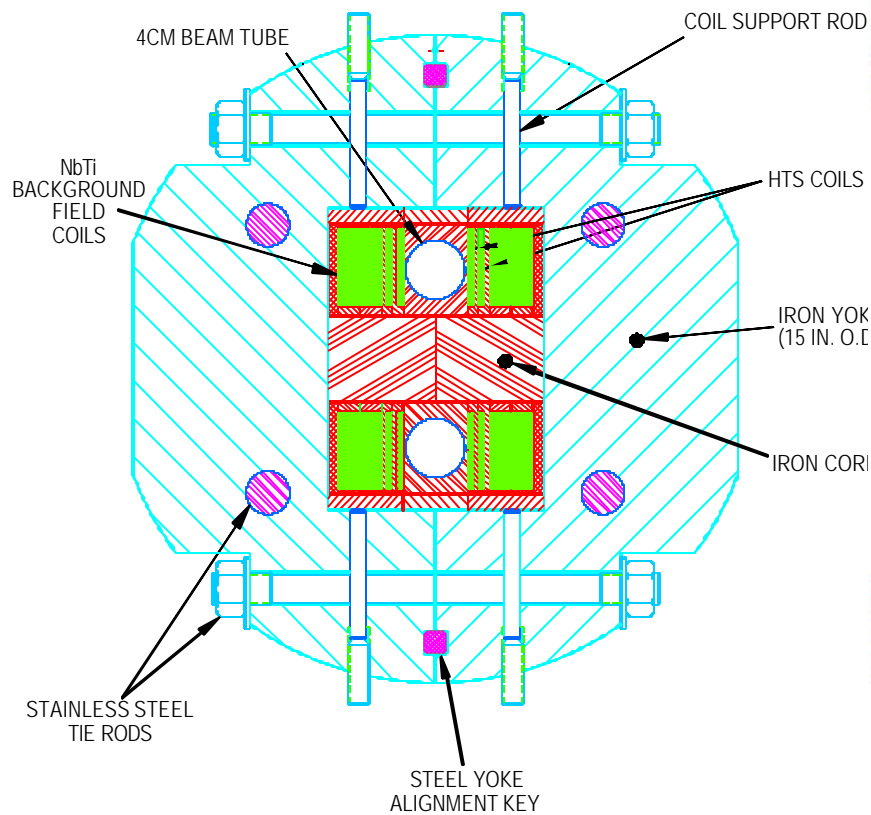
W.B. Sampson

Insert Coil Conductors

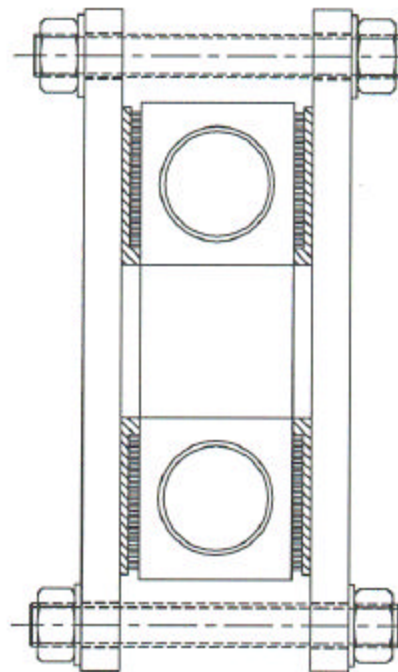
	[mm]	Area [mm ²]	
Nb ₃ Sn	0.2x3.2	0.64	Complete
IGC-2223	0.25x3.3	0.83	Complete
ASC-2223	0.18x3.1	0.56	Complete
NST-2223	0.20x3.2	0.64	
VAC-2223	0.23x3.4	0.90	

Magnet cross-section

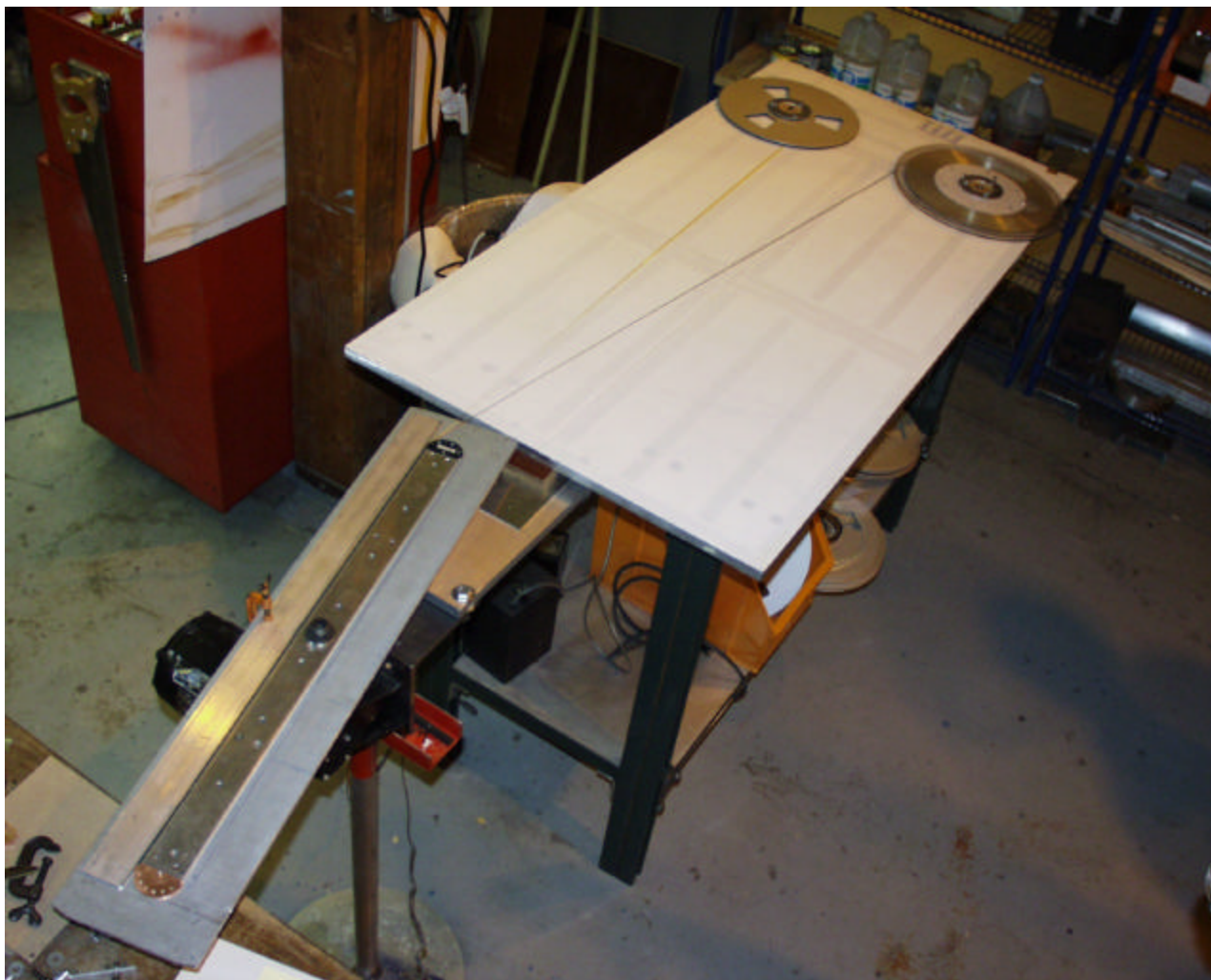
BNL R&D YOKE FOR HTS



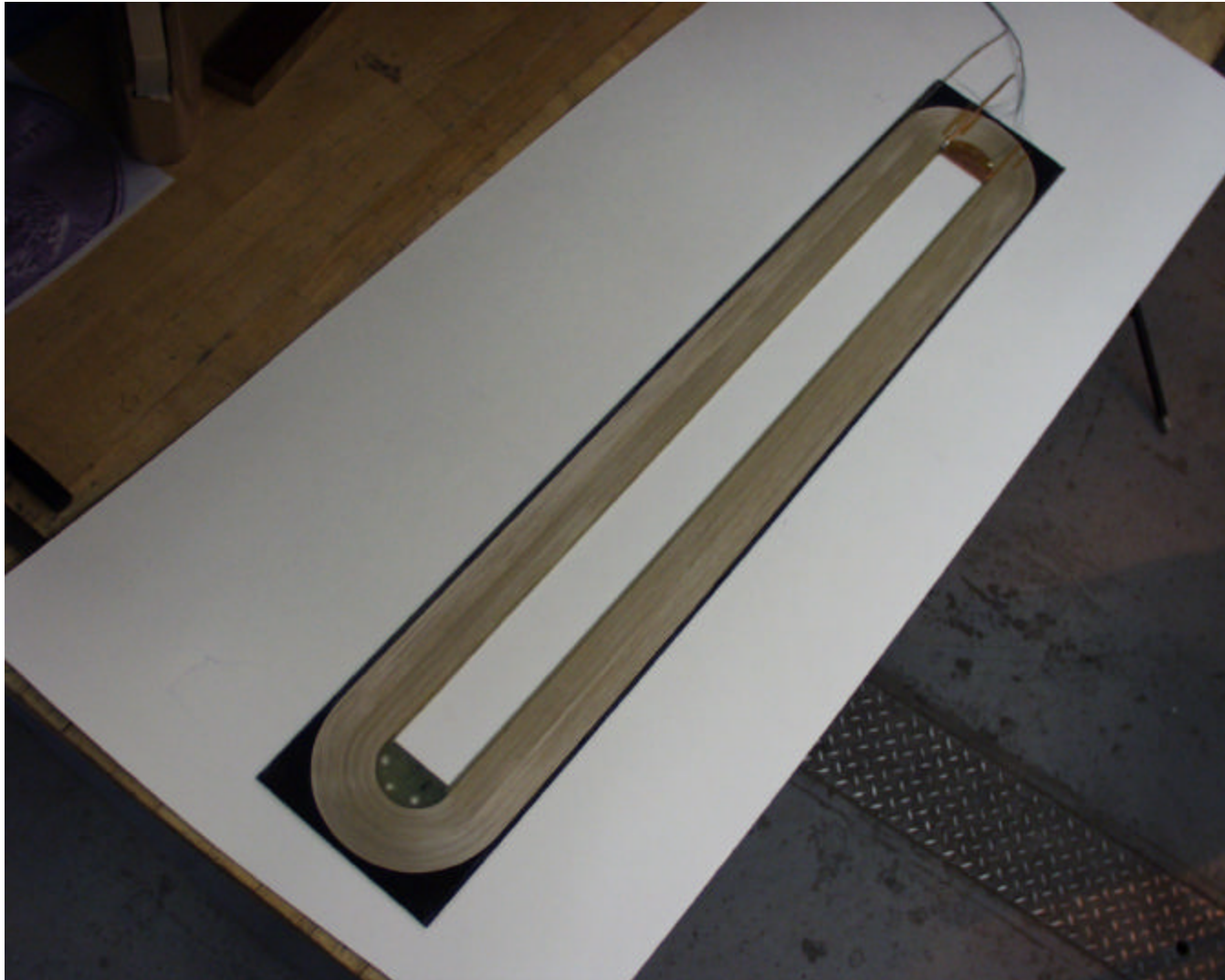
- Set-up for testing HTS common-coils without background field. Used for Magnetization studies.

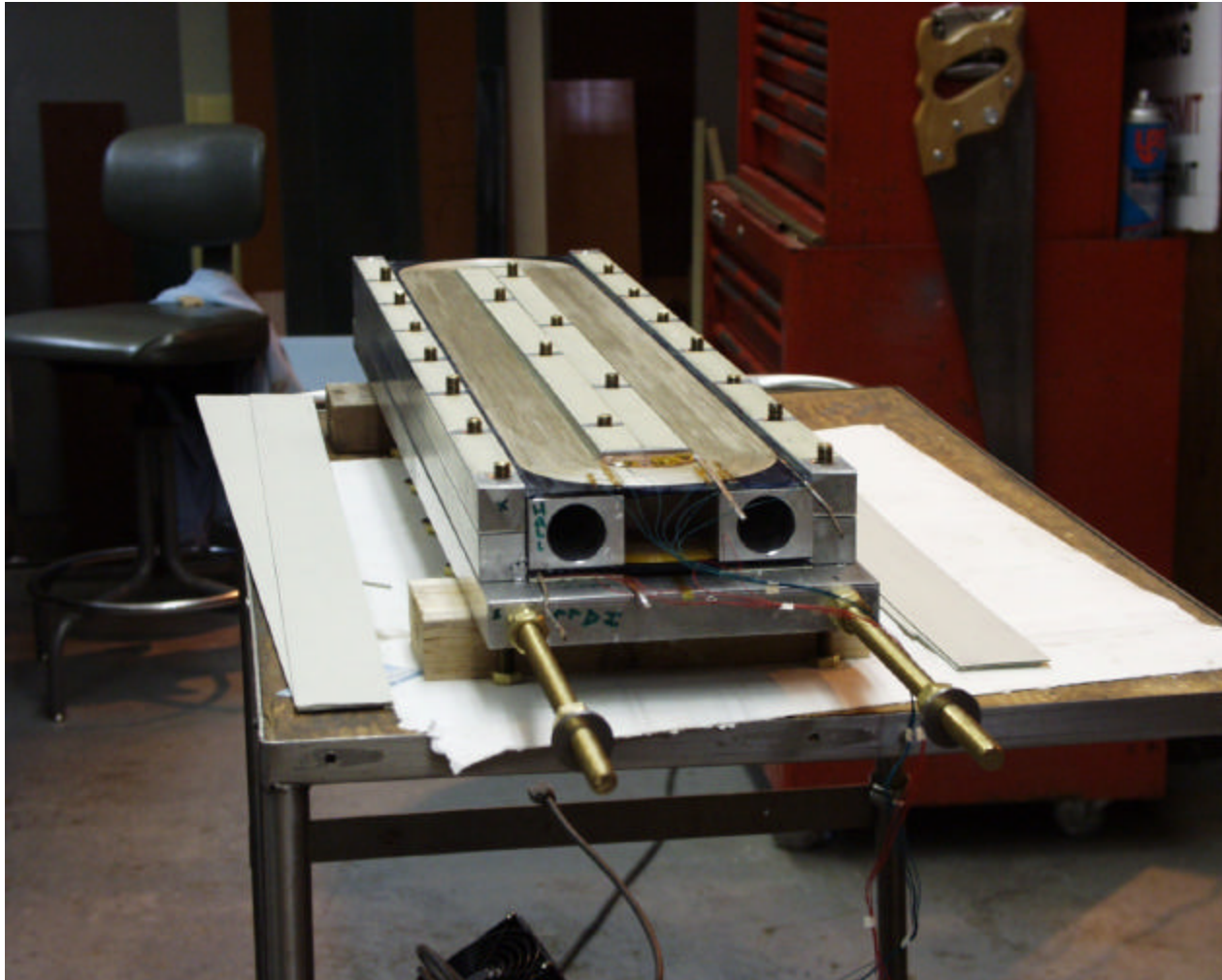


Racetrack HTS Coil Winding

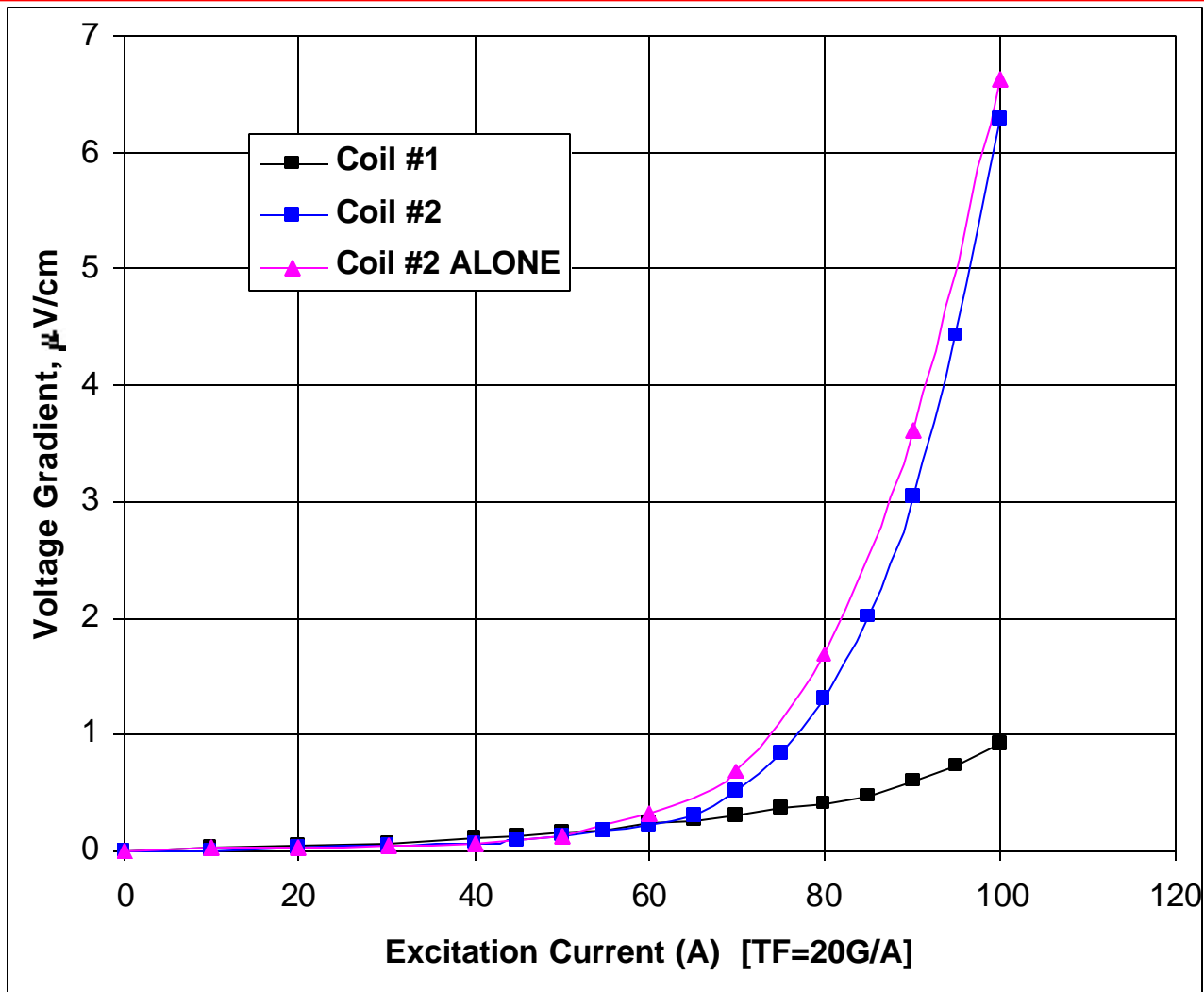


Finished HTS Coil

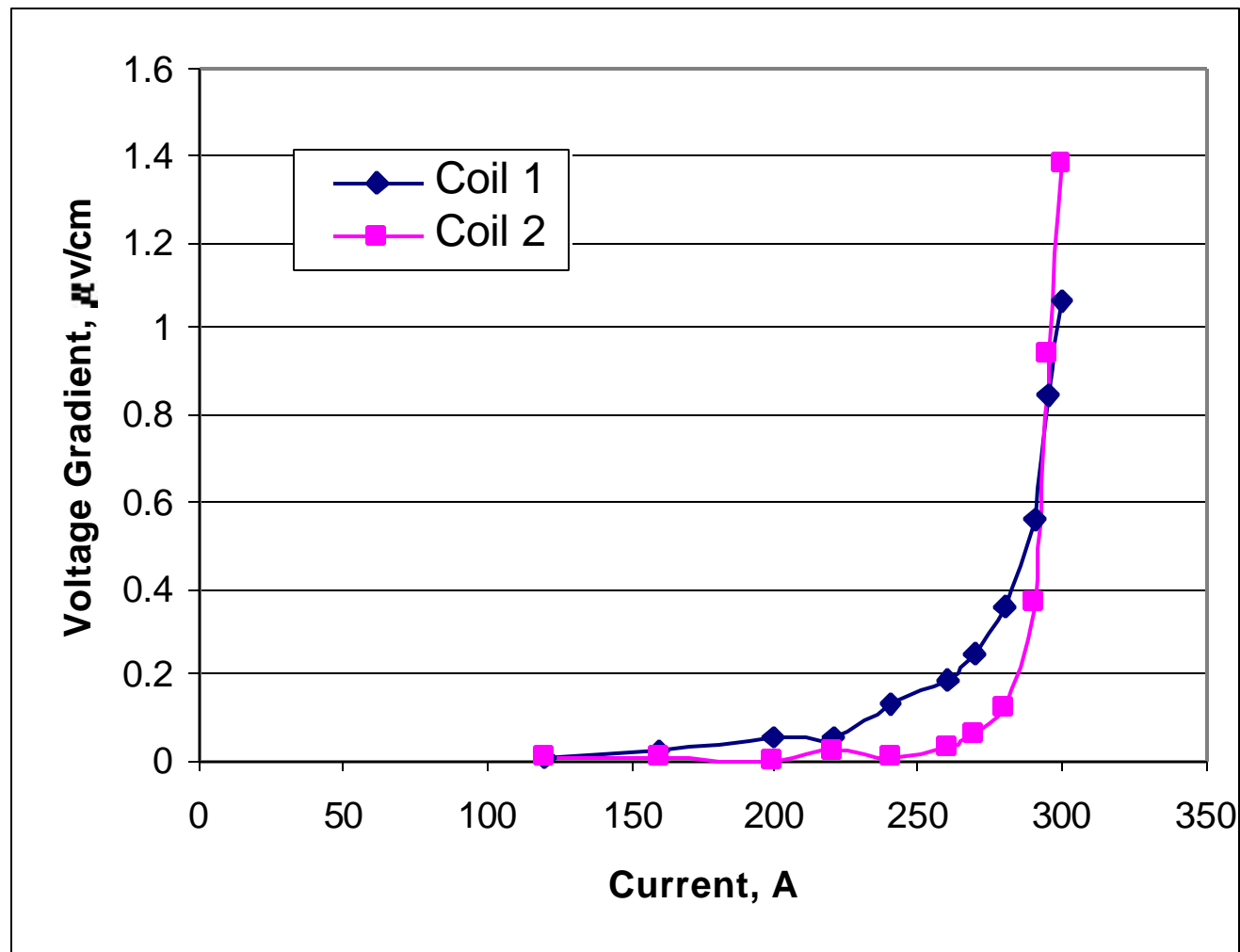




V-I IGC HTS COILS



V-I ASC HTS COILS



RESIDUAL SEXTUPOLE

