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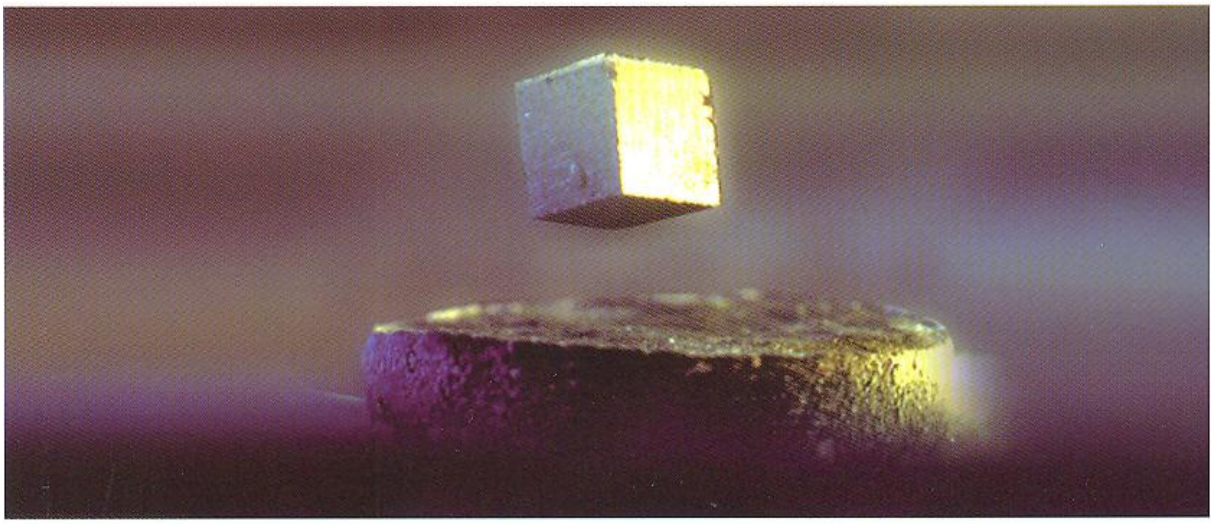

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TÜBİTAK

T.C. BAŞBAKANLIK DPT DEVLET PLANLAMA TEŞKİLATI

Microwave Surface Resistance of High-T_c Superconductors near Liquid Nitrogen Temperature

Ş. YILDIZ[1], A. AGLIOLO GALITTO[2], F. DOĞAN[3], U. TOPAL[4], F. INANIR[5], U. KÖLEMEN[1], M. LI VIGNI[2]

[1] Department of Physics, Faculty of Science and Arts, Gaziosmanpasa University, 60240 Tokat, Turkey
[2] CNISM and Dipartimento di Fisica, Università di Palermo, via Archirafi 36, 90123 Palermo, Italy
[3] University of Missouri-Rolla, Department of Materials Science and Engineering, 222 McNutt Hall, Rolla, MO 65409, USA
[4] TUBITAK-UME (National Metrology Institute), P.K. 54, 41470 Gebze-Kocaeli, Turkey
[5] Department of Physics, Faculty of Science and Arts, Rize University, 53100 Rize, Turkey

Email of corresponding author: sukruyildiz@gop.edu.tr

We report on field-induced variations of the microwave surface resistance in two YBCO samples produced by different technique (top-seeded-melt-growth (TSMG) [1] and melt-powder-melt-growth (MPMG) technique [2]. MPMG YBCO samples were irradiated with thermal neutrons to study the effect of defects induced by irradiations. In the irradiated sample, we observe a reduced field-induced variation of the mw surface resistance.

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