From: esub-adm@aps.org

Subject: Manuscript es2019sep20_760 has been submitted to Physical Review Research

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To: jhirsch@ucsd.edu

JNL: PRRESEARCH TEMPID: es2019sep20 760 RECVD: Fri Sep 20 20:52:19 2019 TITLE: How Alfven's theorem explains the Meissner effect AUTHORS: Hirsch.J. E. CORRA LAST: Hirsch CORRA FIRST: Jorge CORRA MIDDLE: CORRA OTHER: EMAIL: jhirsch@ucsd.edu ADDRESS: Dept. of Physics, 0319 University of California San Diego La Jolla, CA 92093 PHONE: (858)534-3931 FAX: 858-534-0173 ART TYPE: Regular Article PREVIOUS VERSION: SEQUEL: SECTION: SUBJECT1: SUPERCONDUCTIVITY SUBJECT2: PLASMA SUBJECT3: MATERIALS TYPE: TH CONCEPTS: Research Areas: Superconductivity (Primary) | Plasma transport | Superconducting phase transition NFIGS: 12 COLORFIGS: no LENGTHCHECK: **REFCHECK:**

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of this manuscript.

- The manuscript has not been published, and is not now and will not be under consideration by another journal while it is considered here.

- The authors have provided information to the editors about relevant unpublished manuscripts, including whether any version of this manuscript was previously considered by an APS journal.

- The authors accept the established procedures for selecting manuscripts for publication.