NOTE NEW AREA CODE

BROOKHAVEN
NATIONAL LABORATORY

COLLIDER - ACCELERATOR
Department

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★ FAX COVER SHEET ★

DATE: 11/7/00 TIME: 1345

TO: LAUR LITENBERG
(810) 344-2509

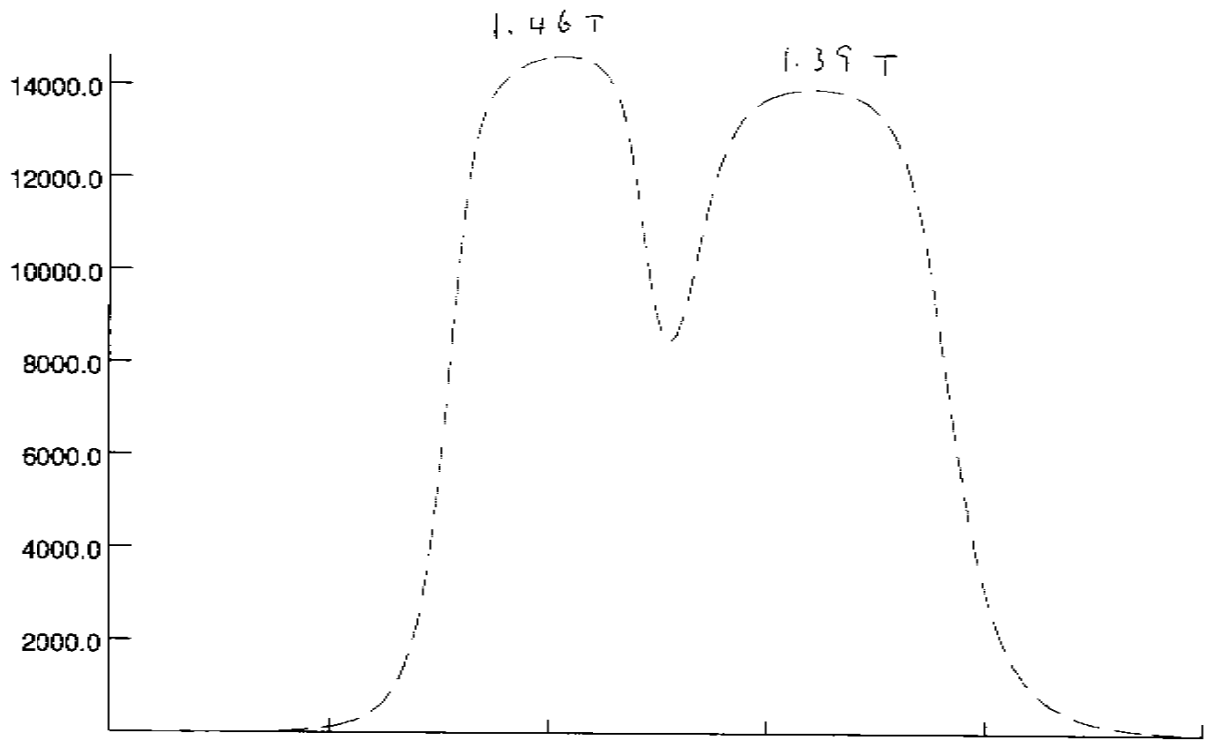
FAX NO.:

FROM: D. LAZARUS

BLDG. NO.: TELEPHONE NO.:

MESSAGE: THE THREE GRAPHS ARE FOR (1) 1006 STEER (2) 1001 STEER POLES (3) 1001 STEER POLES + HIGHER CURRENT IN SWEEPER 2, THESE ARE LABELED AS WELL AS THE INTEGRAL FIELDS

THIS TRANSMITTAL CONSISTS OF 4 **PAGES, INCLUDING THIS COVER SHEET.**
If this FAX is incomplete or any part is illegible, please let us know.



Local X coord	0.0	0.0	0.0	0.0	0.0	0.0
Local Y coord	0.0	0.0	0.0	0.0	0.0	0.0
Local Z coord	-200.0	-100.0	0.0	100.0	200.0	300.0

— — Component: BMOD, Integral = 3128009.0

$I_1 = 2625$ A $I_2 = 3063$ A

UNITS
Length : cm
Magn Flux Den : gauss
Magnetic field : oersted
Magn Scalar Pot: oersted-c
Magn Vector Pot: gauss-cm
Elec Flux Den : C cm^{-2}
Electric field : V cm^{-1}
Conductivity : S cm^{-1}
Current density : A cm^{-2}
Power : W
Force : N
Energy : J

PROBLEM DATA
scratch/meng/two_s1.op3
TOSCA
Magnetostatic
Non-linear materials
Simulation No 1 of 1
571200 elements
594154 nodes
Inte. coil fields

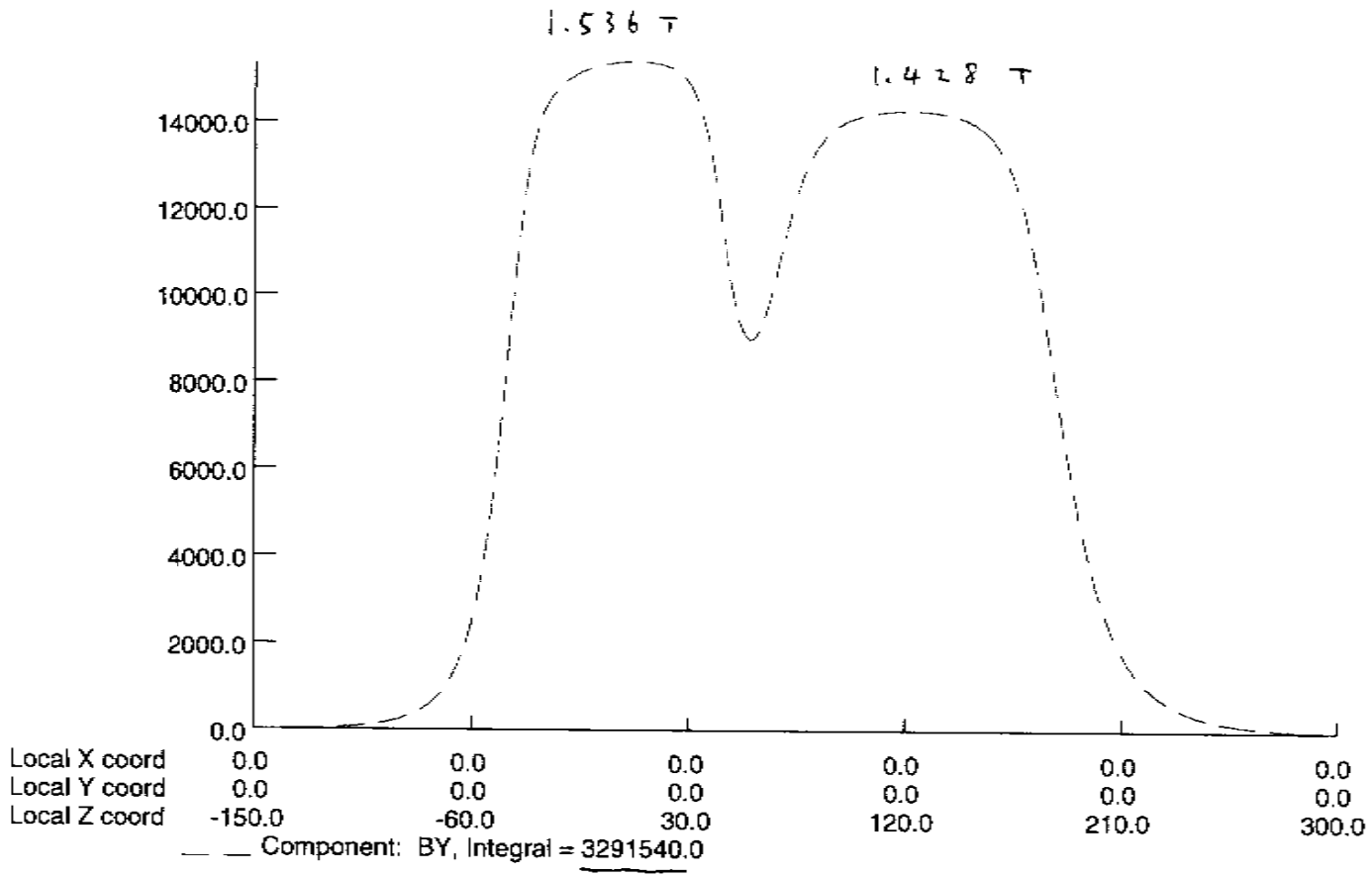
LOCAL COORDS.
Xlocal = 0.0
Ylocal = 0.0
Zlocal = 0.0
Theta = 0.0
Phi = 0.0
Psi = 0.0

22/Sep/2000 13:38:27 Page

OPERA-3d
Post-Processor 7.1

Pole Material = 1006 Steel

(2)



$I_1 = 2625$ A $I_2 = 3063$ A

UNITS
Length : cm
Magn Flux Den : gauss
Magnetic field : oersted
Magn Scalar Pot: oersted-c
Magn Vector Pot: gauss-cm
Elec Flux Den : C cm^{-2}
Electric field : V cm^{-1}
Conductivity : S cm^{-1}
Current density : A cm^{-2}
Power : W
Force : N
Energy : J

PROBLEM DATA
scratch/meng/two_s2.op3
TOSCA
Magnetostatic
Non-linear materials
Simulation No 1 of 1
571200 elements
594154 nodes
Inte. coil fields

LOCAL COORDS.
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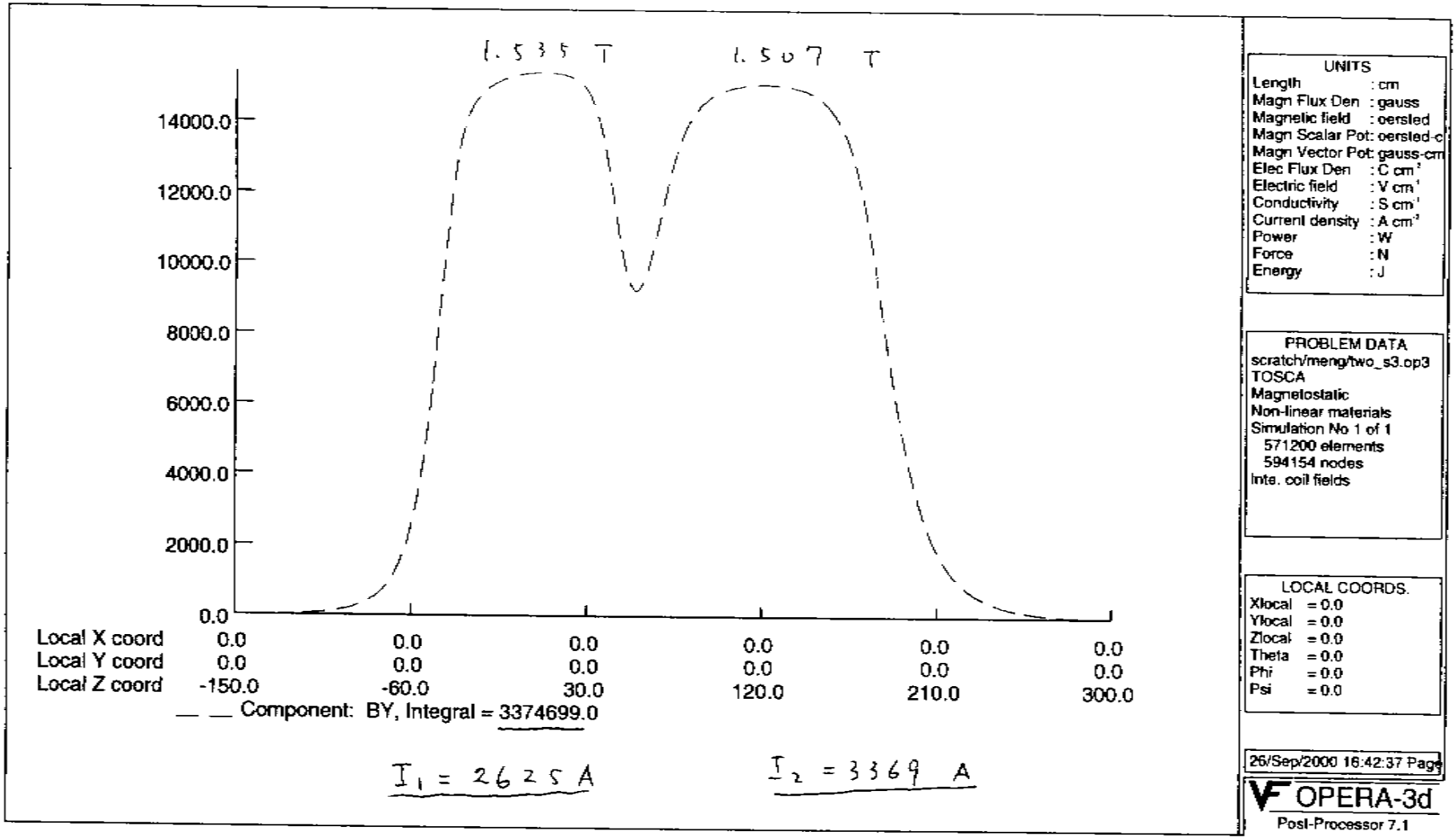
Zlocal = 0.0
Theta = 0.0
Phi = 0.0
Psi = 0.0

26/Sep/2000 09:47:43 Page

OPERA-3d
Post-Processor 7.1

Pole material = 1001 Steel

(3)



$I_1 = 2625$ A $I_2 = 3369$ A

Pole Material = 1001 Steel