

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz83,Bx83,Izmes21,Ixmes21

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : -1 Peak Field Bx: 0.00793 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 8.9 %

Peak Field Bz: 0.55618 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Bx Taper : 2.673 G/m

Krms : 0.808

V Dipole : -4.2 G cm

V Quadrupole : -26.6 G

V Sextupole : 51.4 G/cm

Iz(coil) : -4.4 G cm

$$I_z(\text{BzC}): -4.4 \text{ Gcm} \quad I_z(\text{Bz}) : 38.6 \text{ G cm}$$
 $I_x(\text{coil}) : 14.7 \text{ G cm}$
$$I_x(B_xC) : 14.7 \text{ Gcm} \quad I_x(B_x) : 906.6 \text{ G cm}$$

H Dipole : 16.1 G cm

H Quadrupole : -5.7 G

H Sextupole : -108.3 G/cm

$$\Pi_X(sB_X) : 0.0502 \text{ G m}^2$$
 $\Pi_z(\text{sBz}): -0.0516 \text{ G m}^2$

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um

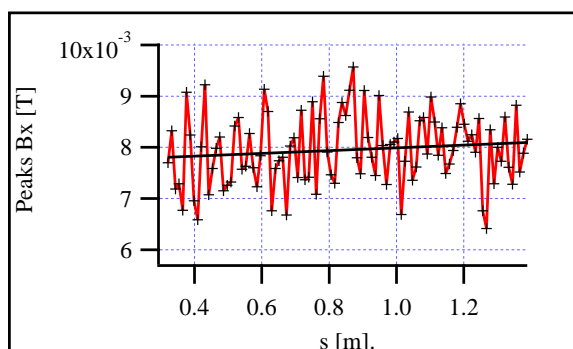
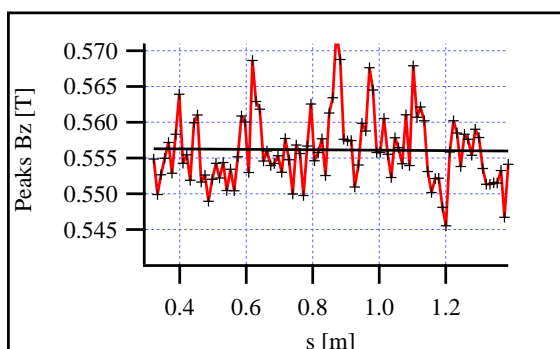
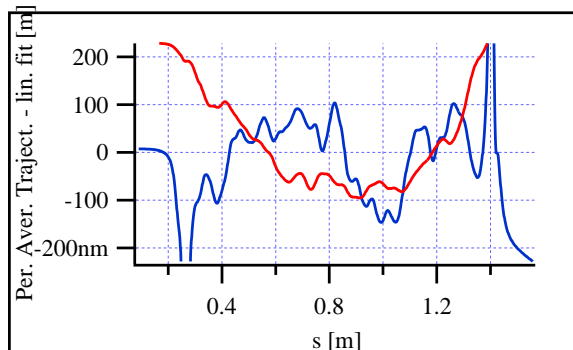
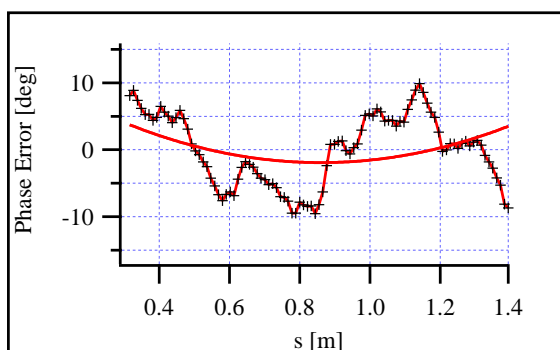
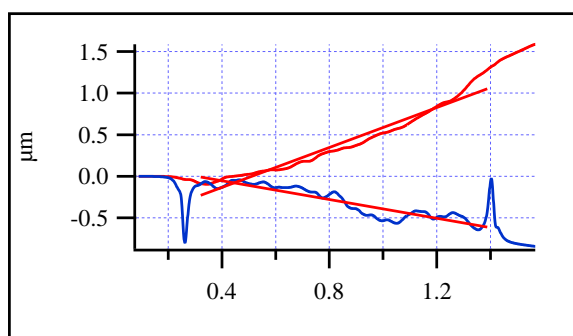
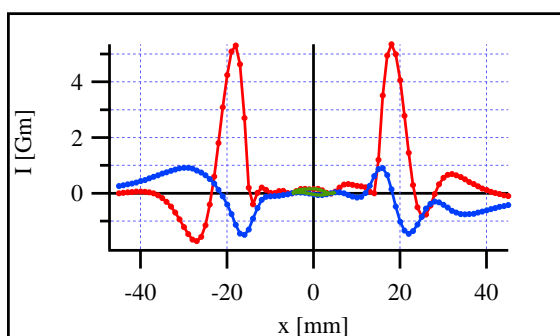
Pred. C.C. currents

I1 : -0.1948 A

I2 : -0.9636 A

I3 : -0.3145 A

I4 : -0.2640 A



Kyma Srl

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