

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz103,Bx103,Izmes13,Ixmes13

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : -1 Peak Field Bx: 0.01104 T

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 7.0 %

Peak Field Bz: 0.66461 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.4 %

Bx Taper : 3.222 G/m

Krms : 0.966

V Dipole : -0.9 G cm

V Quadrupole : 13.4 G

V Sextupole : -120.7 G/cm

Iz(coil) : -0.7 G cm

$$I_z(\text{BzC}): -0.7 \text{ Gcm} \quad I_z(\text{Bz}): 26.7 \text{ G cm}$$
 $I_x(\text{coil}) : 2.8 \text{ G cm}$
$$I_x(B_xC) : 2.8 \text{ Gcm} \quad I_x(B_x) : 686.6 \text{ G cm}$$

H Dipole : 4.5 G cm

H Quadrupole : 101.6 G

H Sextupole : 193.0 G/cm

$$\Pi_X(sB_X) : 0.0918 \text{ G m}^2$$
 $\Pi_z(\text{sBz}): -0.1050 \text{ G m}^2$

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um

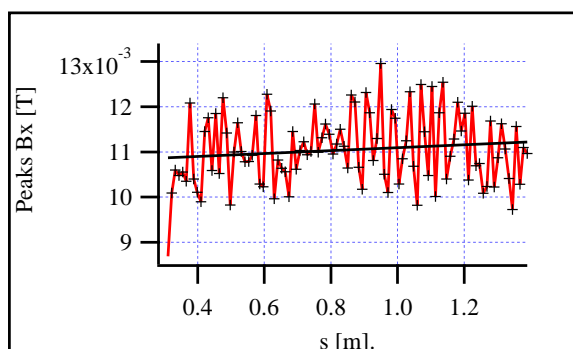
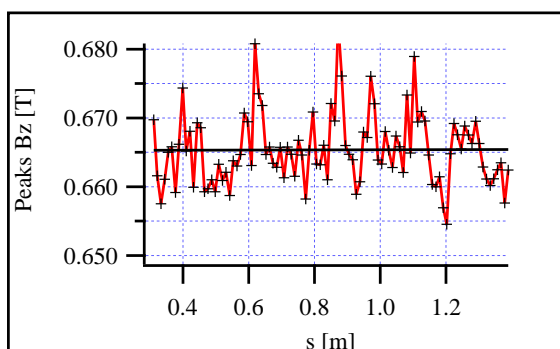
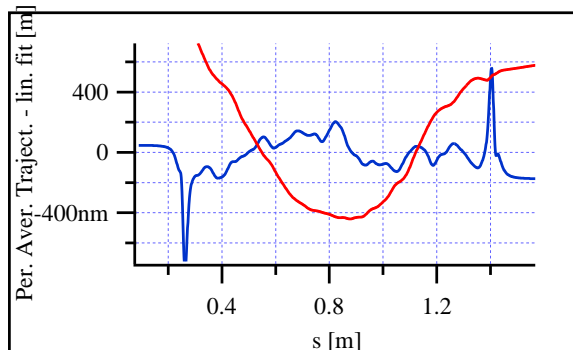
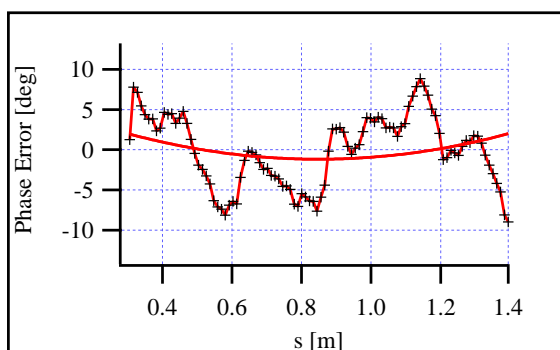
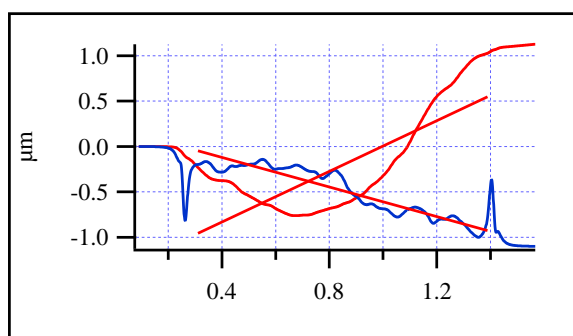
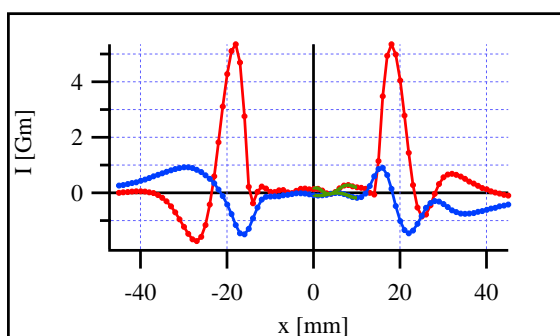
Pred. C.C. currents

I1 : 0.0960 A

I2 : -0.7934 A

I3 : -0.2085 A

I4 : 0.5710 A



Kyma Srl

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