

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz145,Bx145,Izmes2,Ixmes2

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 0 Peak Field Bx: 0.00694 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 10.5 %

Peak Field Bz: 0.70009 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.0 %

Bx Taper : 3.145 G/m

Krms : 1.017

V Dipole : -7.7 G cm

V Quadrupole : -12.1 G

V Sextupole : 41.2 G/cm

Iz(coil) : -7.9 G cm

$$I_z(\text{BzC}): -7.9 \text{ Gcm} \quad I_z(\text{Bz}): 8.2 \text{ G cm}$$

$I_x(\text{coil}) : 10.3 \text{ G cm}$

$$I_x(BxC) : 10.3 \text{ Gcm} \quad I_x(Bx) : 30.0 \text{ G cm}$$
$$\Pi_x(sB_x) : 0.0178 \text{ G m}^2$$
 $\mu_z(\text{sBz}): -0.0881 \text{ G m}^2$

H Dipole : 11.3 G cm

H Quadrupole : -3.4 G

H Sextupole : -30.1 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um

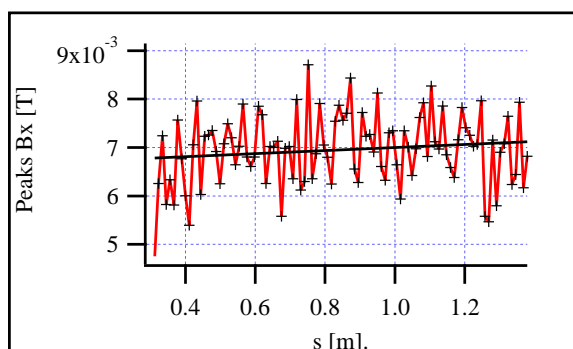
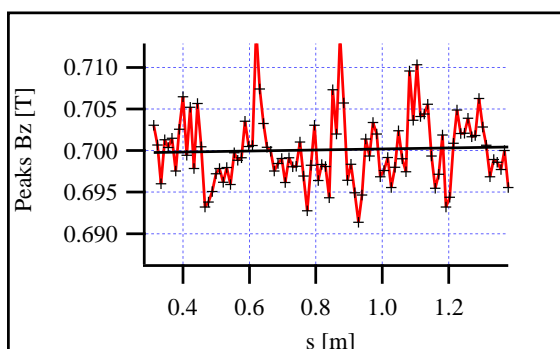
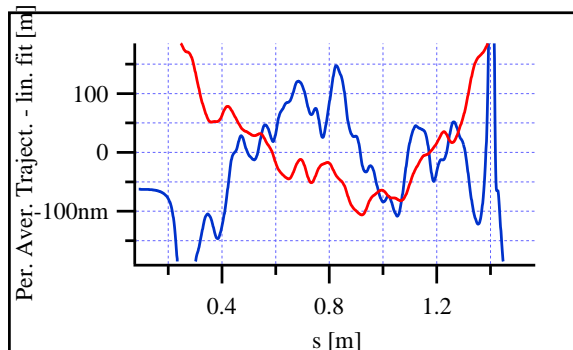
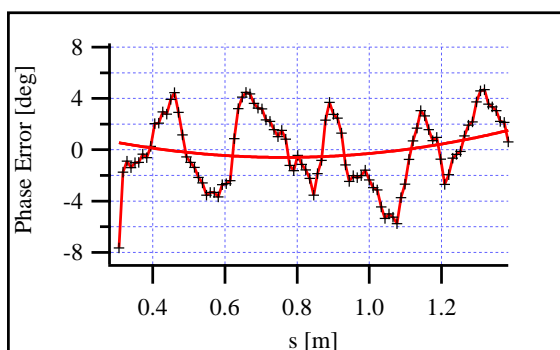
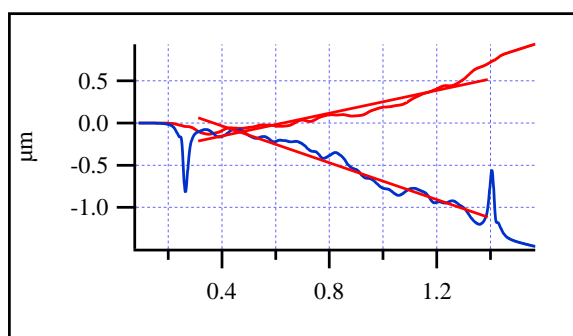
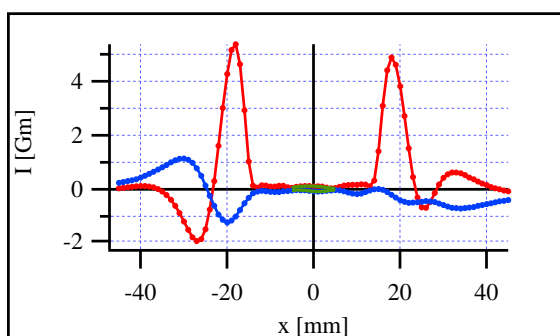
Pred. C.C. currents

I1 : 0.3164 A

I2 : -1.0243 A

I3 : -0.2804 A

I4 : -0.2219 A



Kyma Srl

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