

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz161,Bx161,Izmes34,Ixmes34

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 0 Peak Field Bx: 0.00680 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 10.6 %

Peak Field Bz: 0.26633 T

Undulator Period : 22.00+-0.05 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.8 %

Bx Taper : 4.451 G/m

Krms : 0.387

V Dipole : -3.6 G cm

V Quadrupole : -13.3 G

V Sextupole : 39.6 G/cm

Iz(coil) : -3.7 G cm

$$I_z(\text{BzC}): -3.7 \text{ Gcm} \quad I_z(\text{Bz}): 25.8 \text{ G cm}$$

$I_x(\text{coil}) : 9.9 \text{ G cm}$

$$I_x(B_xC) : 9.9 \text{ Gcm} \quad I_x(B_x) : 653.8 \text{ G cm}$$
$$\Pi_X(sB_X) : 0.0089 \text{ G m}^2$$
 $\Pi_z(sBz): -0.1866 \text{ G m}^2$

H Sextupole : -28.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um

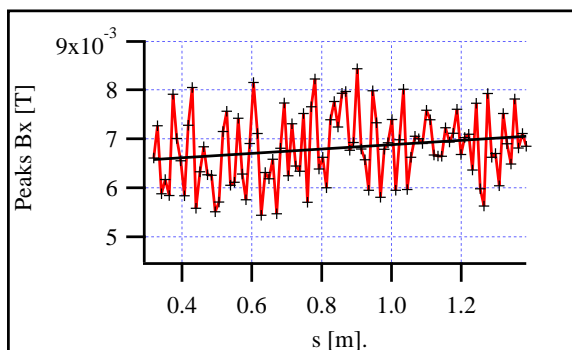
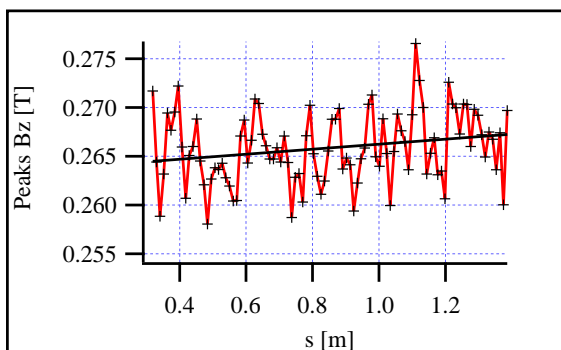
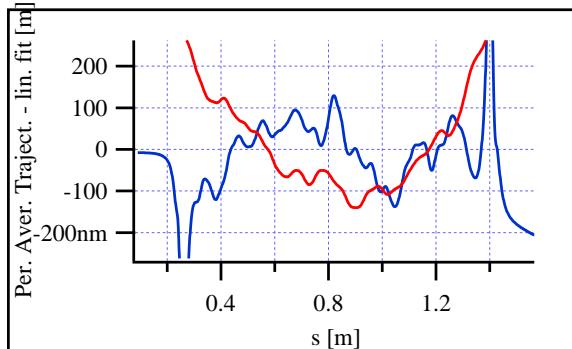
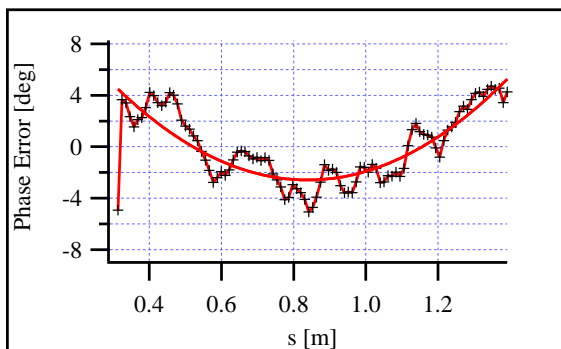
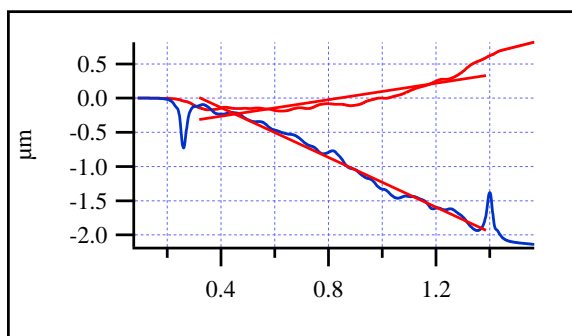
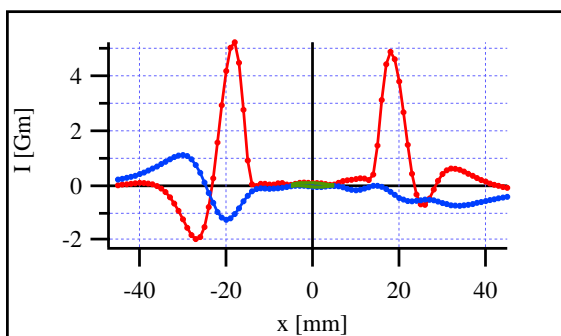
Pred. C.C. currents

I1 : 0.5739 A

I2 : -1.2103 A

I3 : -0.8567 A

I4 : 0.3232 A



Kyma Srl

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