

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz333,Bx333,Izmes41,Ixmes41

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : -1 Peak Field Bx: 0.11174 T

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 4.3 %

Peak Field Bz: 0.23073 T

Undulator Period : 22.00+-0.09 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 8.6 %

Bx Taper : 1.763 G/m

Krms : 0.372

V Dipole : 0.7 G cm

V Quadrupole : 207.5 G

V Sextupole : 519.7 G/cm

Iz(coil) : -1.4 G cm

$$I_z(\text{BzC}): -1.4 \text{ Gcm} \quad I_z(\text{Bz}): -30.0 \text{ G cm}$$

Ix(coil) : 12.2 G cm

$$I_x(B_xC) : 12.2 \text{ Gcm} \quad I_x(B_x) : 71.6 \text{ G cm}$$

H Dipole : -10.8 G cm

H Quadrupole : -274.6 G

H Sextupole : 939.2 G/cm

$$\Pi_X(sB_X) : 0.3746 \text{ G m}^2$$
 $\text{IIz(sBz): } -0.0462 \text{ G m}^2$ 

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.4 um

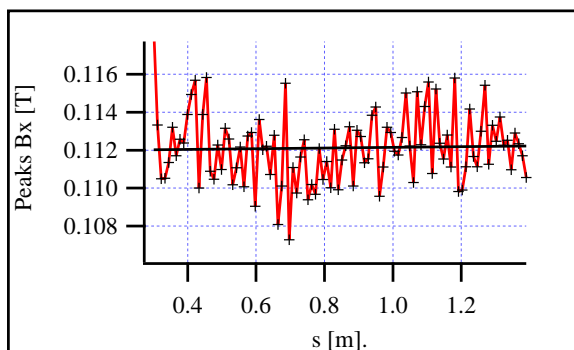
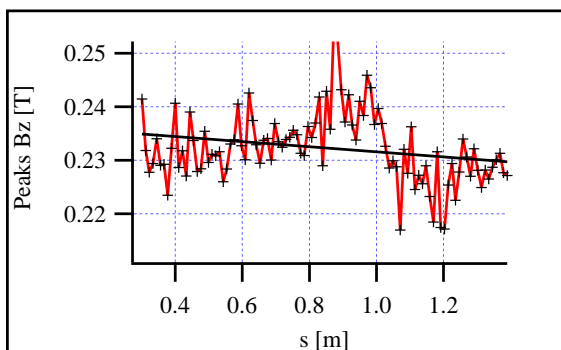
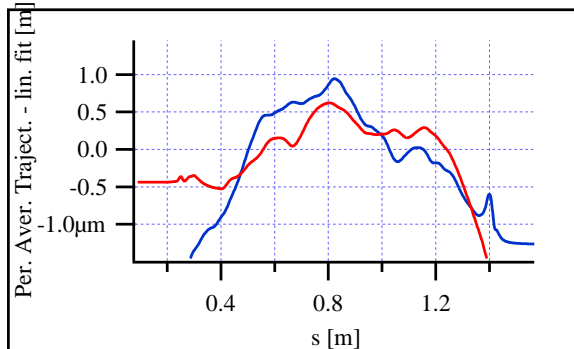
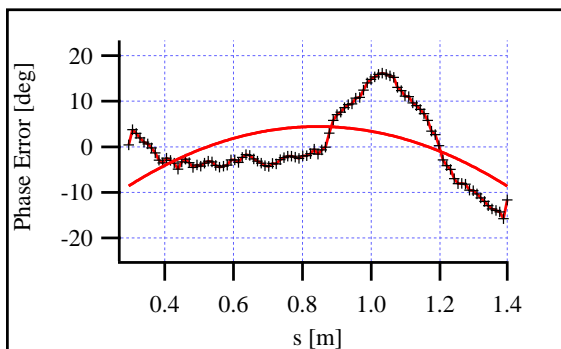
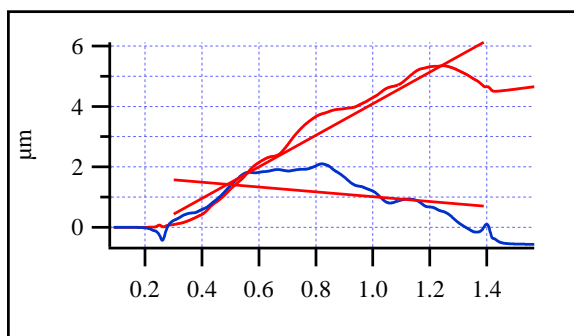
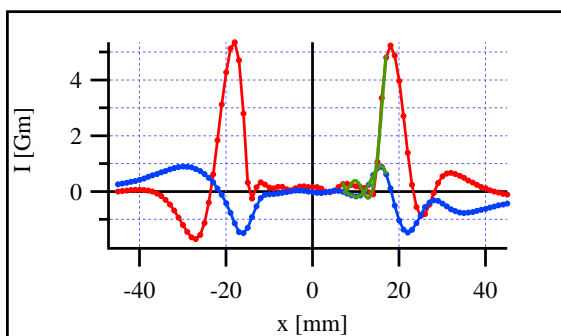
Pred. C.C. currents

I1 : -1.2019 A

I2 : -1.6809 A

I3 : 0.5934 A

I4 : 0.8480 A



Kyma Srl

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