

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz325,Bx325,Izmes25,Ixmes25

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : -1 Peak Field Bx: 0.07013 T

RMS Phase Error : 6.14 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 2.9 %

Fund. En. (B2E) : 2711.0 eV = 0.5 nm

Peak Field Bz: 0.44085 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.05 mm

Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 6.296 G/m

Bz Taper : -2.896 G/m

Krms : 0.649

V Dipole : 1.1 G cm

Iz(coil) : -1.1 G cm

Pred. C.C. currents

V Quadrupole : 207.1 G

$$I_z(\text{BzC}): -1.1 \text{ Gcm} \quad I_z(\text{Bz}): -17.1 \text{ G cm}$$

I1 : -1.7617 A

V Sextupole : 516.0 G/cm

$I_x(\text{coil}) : 23.4 \text{ G cm}$

I2 : -1.9227 A

$$I_x(B_xC) : 23.4 \text{ Gcm} \quad I_x(B_x) : 679.5 \text{ G cm}$$

H Dipole : 0.0 G cm

$$\Pi_X(sB_X) : 0.3992 \text{ G m}^2$$

I3 : 0.4693 A

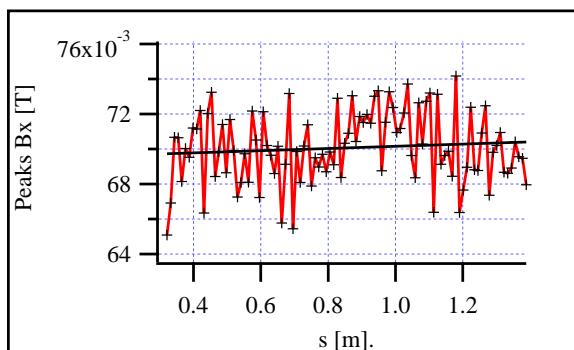
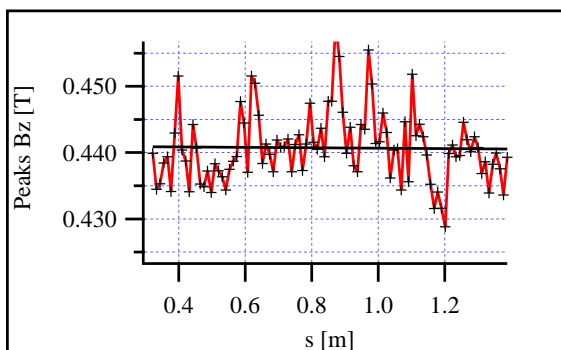
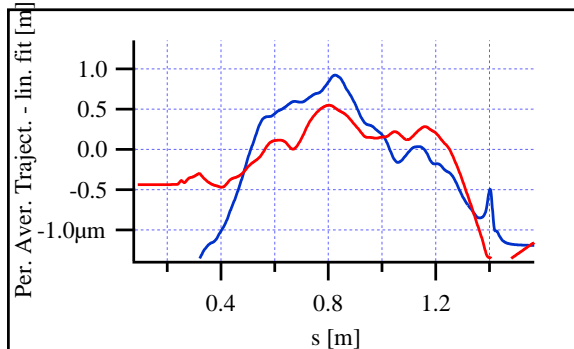
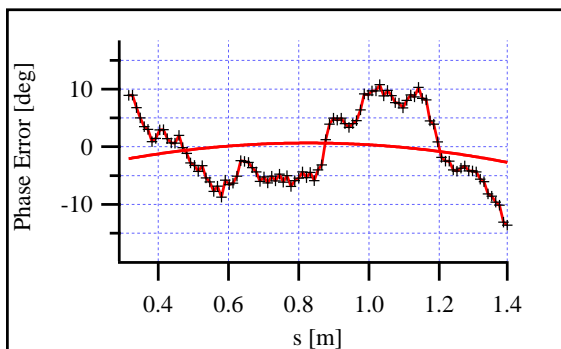
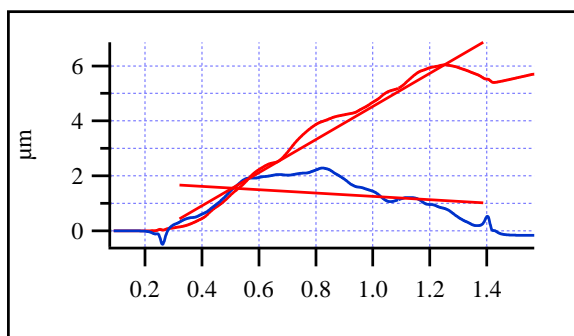
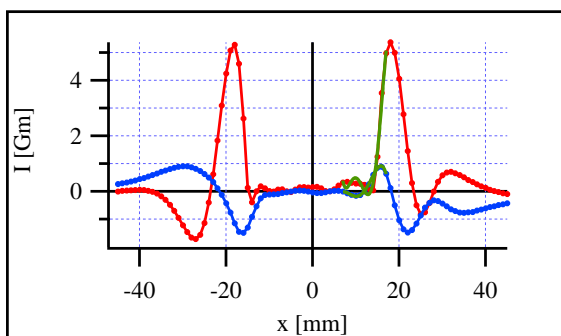
H Ouadrupole : -266.4 G

 $\mu_z(\text{sBz}): -0.0092 \text{ G m}^2$
$$I_4 : 0.4538 \text{ A}$$

H Sextupole : 963.8 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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