

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz213,Bx213,Izmes43,Ixmes43

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 1 Peak Field Bx: 0.01836 T

RMS Phase Error : 6.59 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 6.7 %

Fund. En. (B2E) : $3603.3 \text{ eV} = 0.3 \text{ nm}$

Peak Field Bz: 0.18742 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.00+-0.08 mm Delta Bz/Bz : 12.4 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 0.015 G/m

Bz Taper : -9.596 G/m

Krms : 0.274

V Dipole : 1.1 G cm

Iz(coil) : 1.0 G cm

Pred. C.C. currents

V Quadrupole : 13.3 G

$$I_z(\text{BzC}): 1.0 \text{ G cm} \quad I_z(\text{Bz}): 10.8 \text{ G cm}$$

I1 : 0.6904 A

V Sextupole : -42.1 G/cm

Ix(coil) : 6.6 G cm

I2 : -1.3336 A

$$I_x(BxC) : 6.6 \text{ Gcm} \quad I_x(Bx) : 178.9 \text{ G cm}$$

H Dipole : 11.3 G cm

$$\Pi_X(sB_X) : 0.0444 \text{ G m}^2$$

I3 : -1.1579 A

H Quadrupole : -18.9 G

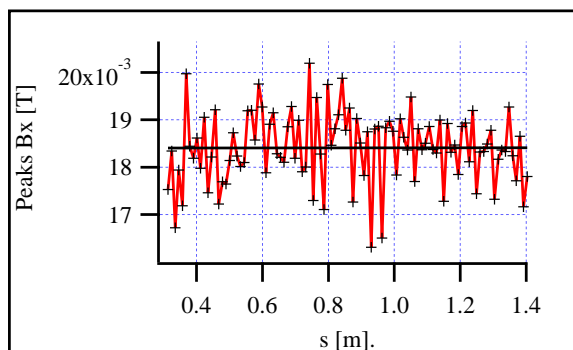
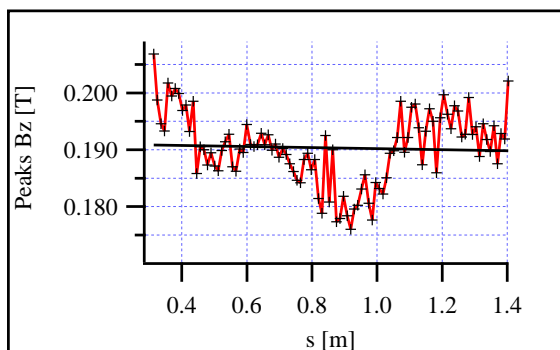
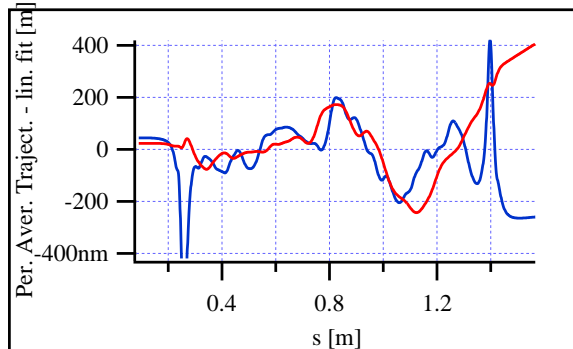
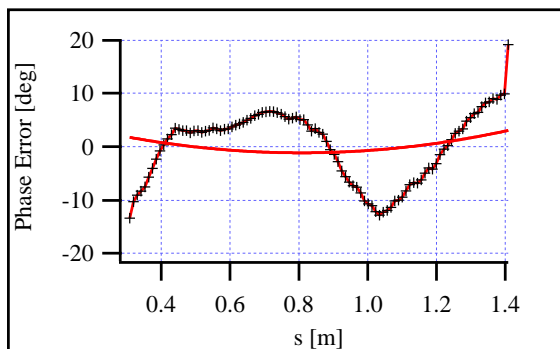
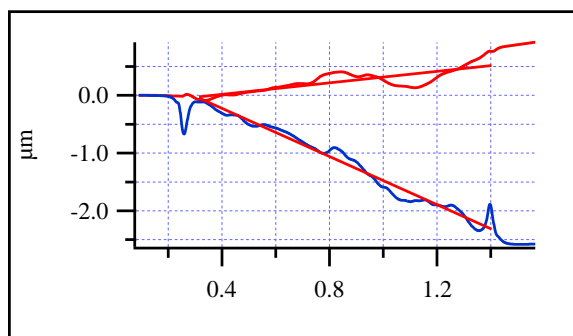
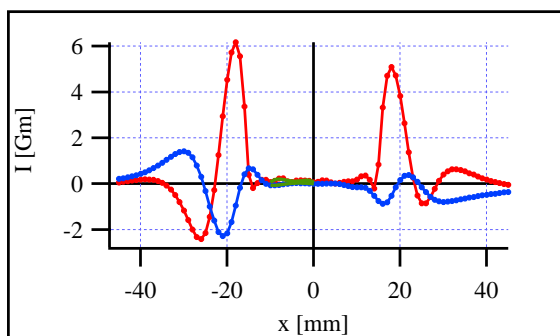
 $\mu_z(sBz): -0.2650 \text{ G m}^2$

I4 : 1.0277 A

H Sextupole : 116.9 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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