

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz119,Bx119,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : -1 Peak Field Bx: 0.01516 T

RMS Phase Error : 7.49 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 10.3 %

Fund. En. (B2E) : $3534.4 \text{ eV} = 0.4 \text{ nm}$

Peak Field Bz: 0.21245 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 21.99+-0.10 mm Delta Bz/Bz : 9.8 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 2.420 G/m

Bz Taper : -36.677 G/m

Krms : 0.309

V Dipole : 3.0 G cm

Iz(coil) : 3.4 G cm

Pred. C.C. currents

V Quadrupole : 14.5 G

$$I_z(\text{BzC}): 3.4 \text{ Gcm} \quad I_z(\text{Bz}): 4.5 \text{ G cm}$$

I1 : 0.4592 A

V Sextupole : -123.7 G/cm

$I_x(\text{coil}) : -1.4 \text{ G cm}$

I2 : -0.5616 A

$$I_x(B_xC) : -1.4 \text{ Gcm} \quad I_x(B_x) : -96.5 \text{ G cm}$$

H Dipole : 0.4 G cm

$$\Pi_X(sB_X) : 0.0317 \text{ G m}^2$$

I3 : -0.6560 A

H Quadrupole : 92.2 G

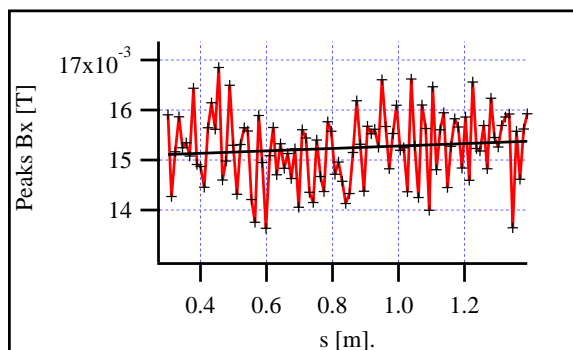
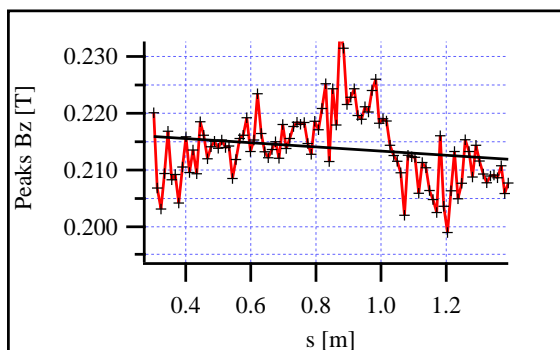
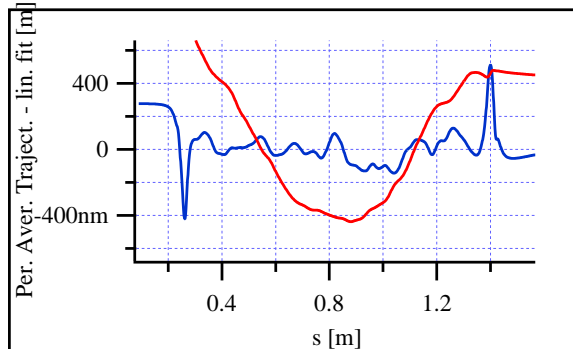
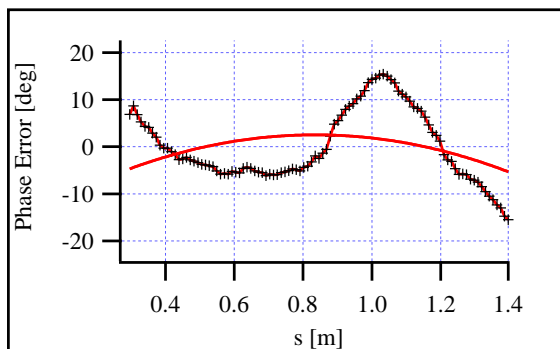
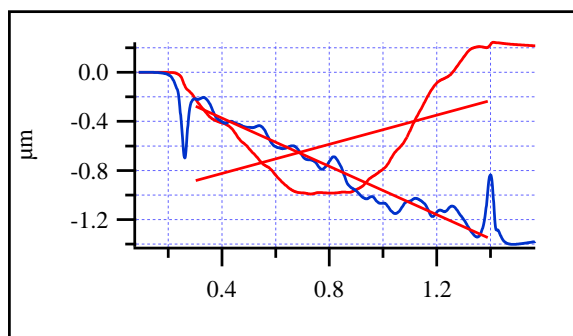
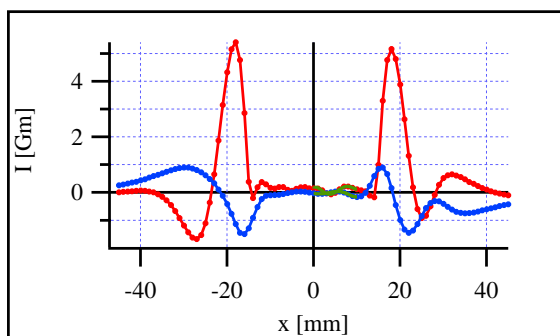
 $\Pi_z(\text{sBz}): -0.1634 \text{ G m}^2$

I4 : 0.9190 Å

H Sextupole : 201.0 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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