

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz293,Bx293,Izmes10,Ixmes10

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : 0 Peak Field Bx: 0.01864 T

RMS Phase Error : 3.68 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 9.8 %

Fund. En. (B2E) : 2223.5 eV = 0.6 nm

Peak Field Bz: 0.59447 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 10.024 G/m

Bz Taper : -4.320 G/m

V Dipole : -10.1 G cm

Iz(coil) : -10.5 G cm

Pred. C.C. currents

V Quadrupole : 54.7 G

$$I_z(\text{BzC}): -10.5 \text{ Gcm} \quad I_z(\text{Bz}): 6.0 \text{ G cm}$$

I1 : -1.3609 A

V Sextupole : 48.4 G/cm

$I_x(\text{coil}) : 20.8 \text{ G cm}$

I2 : -1.3630 A

$$I_x(B_xC) : 20.8 \text{ Gcm} \quad I_x(B_x) : 464.8 \text{ G cm}$$

H Dipole : 5.8 G cm

$$\Pi_X(sB_X) : 0.2597 \text{ G m}^2$$

I3 : 0.9884 A

H Quadrupole : -115.7 G

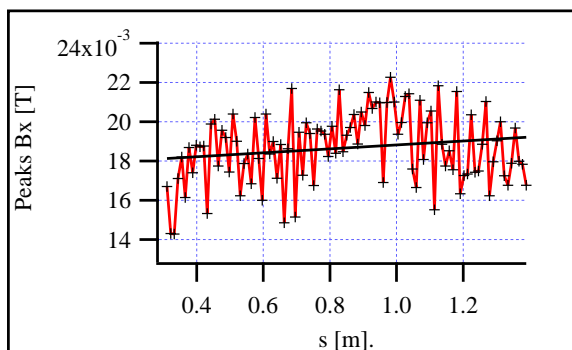
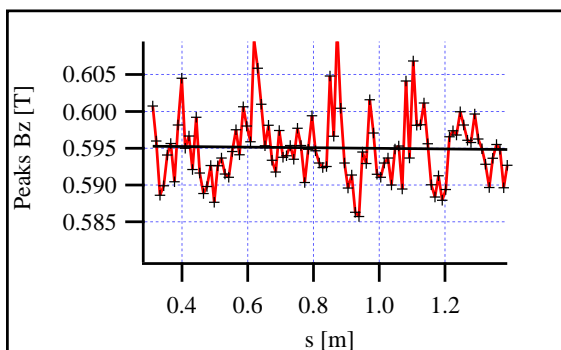
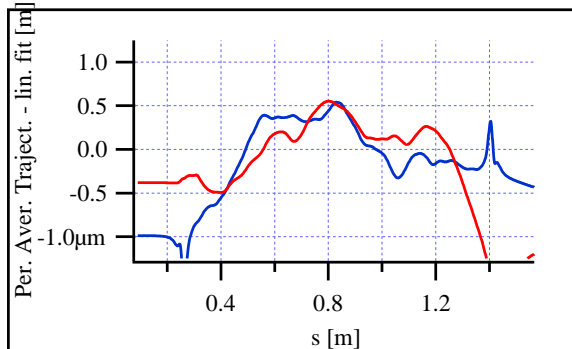
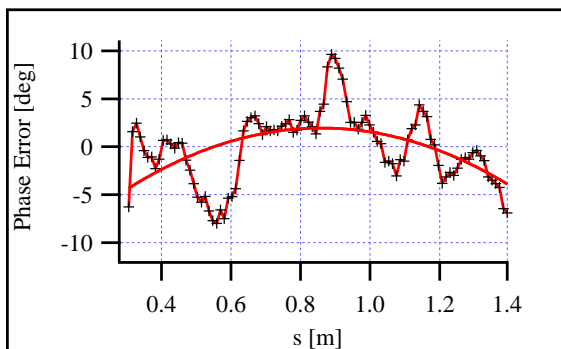
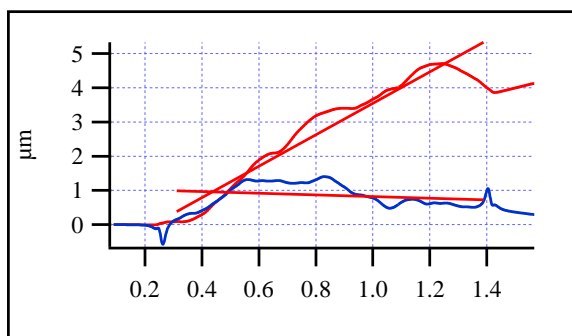
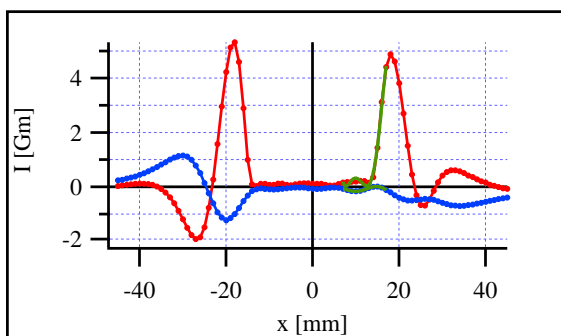
 $\Pi_z(sB_z): 0.1070 \text{ G m}^2$

I4 : -0.7142 A

H Sextupole : 901.0 G/cm

BzTrj RMS dev. : 0.3 um

BxTri RMS dev. : 0.4 μm



Kyma Srl

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