

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz79,Bx79,Izmes13,Ixmes13

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : -1 Peak Field Bx: 0.00806 T

RMS Phase Error : 4.16 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 9.1 %

Peak Field Bz: 0.66679 T

Fund. En. (B2E) : 2011.0 eV = 0.6 nm

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 : 3.790 G/m

Bz Taper : -2.532 G/m

V Dipole : -8.2 G cm

Iz(coil) : -8.5 G cm

Pred. C.C. currents

V Quadrupole : -22.7 G

$$I_z(\text{BzC}): -8.5 \text{ Gcm} \quad I_z(\text{Bz}): 39.9 \text{ G cm}$$

I1 : 0.0672 A

V Sextupole : 56.7 G/cm

Ix(coil) : 13.5 G cm

I2 : -1.0949 A

$$I_x(B_xC) : 13.5 \text{ Gcm} \quad I_x(B_x) : 708.4 \text{ G cm}$$

H Dipole : 14.8 G cm

$$\Pi_X(sB_X) : 0.0403 \text{ G m}^2$$

I3 : -0.1691 A

H Quadrupole : -10.4 G

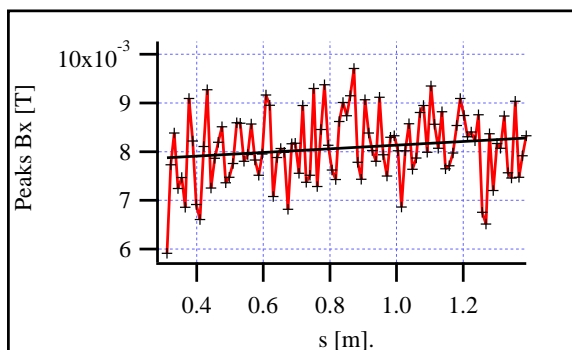
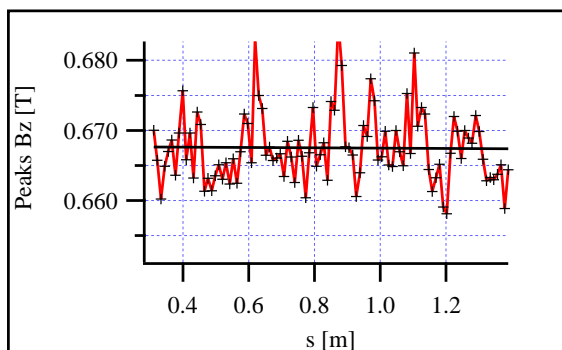
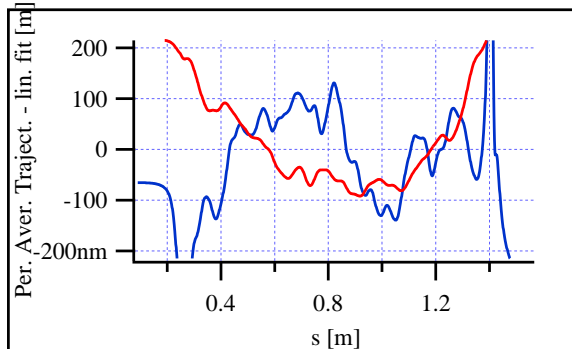
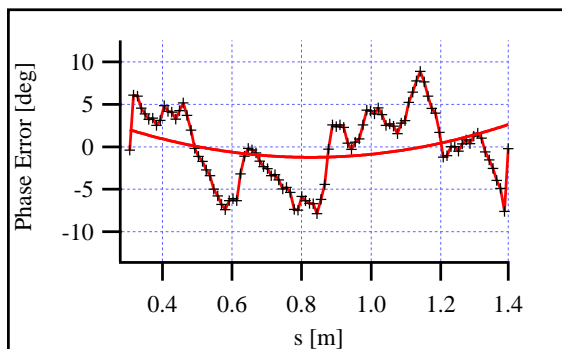
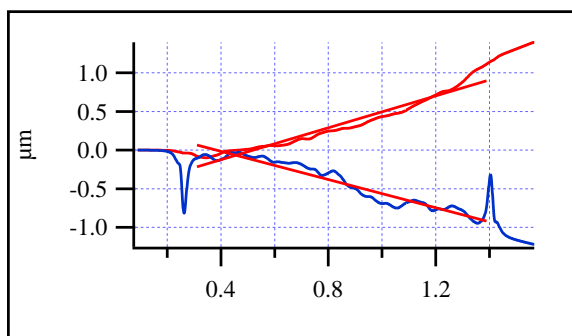
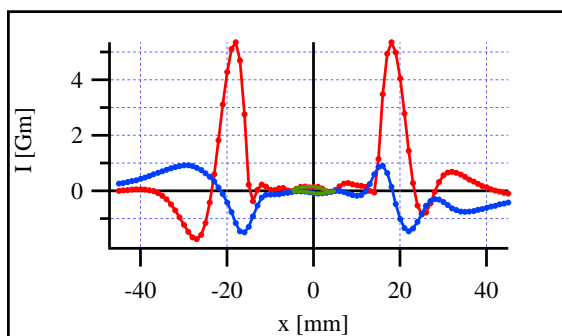
$$\Pi_z(\text{sBz}): -0.0590 \text{ G m}^2$$

I4 : -0.3934 A

H Sextupole : -112.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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