

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz335,Bx335,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : -1 Peak Field Bx: 0.10228 T

RMS Phase Error : 9.33 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 6.0 %

Fund. En. (B2E) : 3371.3 eV = 0.4 nm

Peak Field Bz: 0.23846 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 21.99+-0.09 mm Delta Bz/Bz : 7.6 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 10.693 G/m

Bz Taper : -71.436 G/m

Krms : 0.377

V Dipole : 0.3 G cm

Iz(coil) : -1.9 G cm

Pred. C.C. currents

V Quadrupole : 205.2 G

$$I_z(\text{BzC}): -1.8 \text{ Gcm} \quad I_z(\text{Bz}) : -37.0 \text{ G cm}$$

I1 : -0.8943 A

V Sextupole : 527.3 G/cm

Ix(coil) : 4.0 G cm

I2 : -1.3958 A

$$I_x(B_xC) : 4.0 \text{ Gcm} \quad I_x(B_x) : -138.5 \text{ G cm}$$

H Dipole : -19.1 G cm

$$\Pi_X(sB_X) : 0.3556 \text{ G m}^2$$

I3 : 0.8078 A

H Quadrupole : -274.7 G

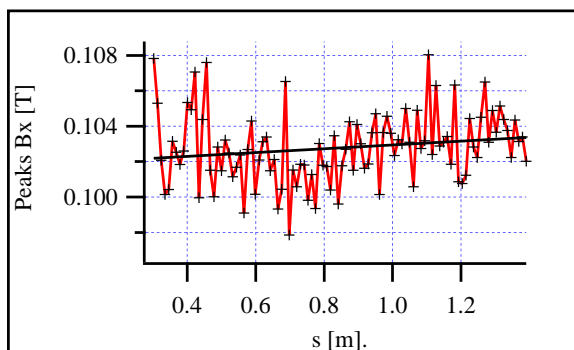
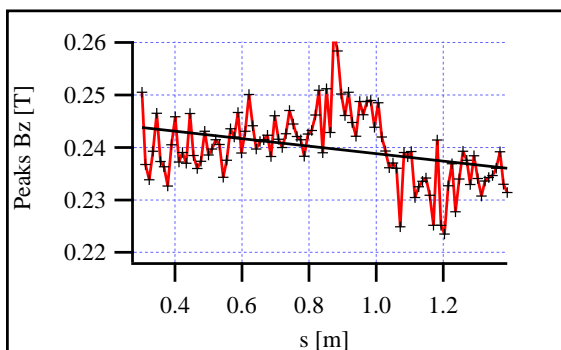
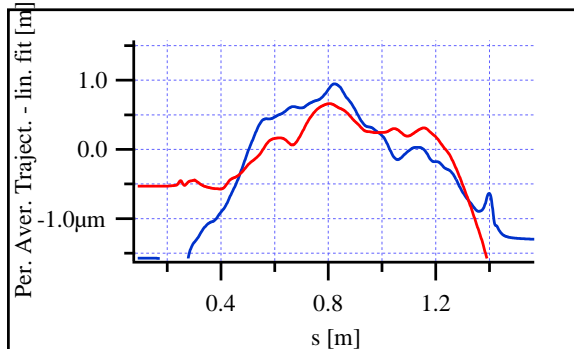
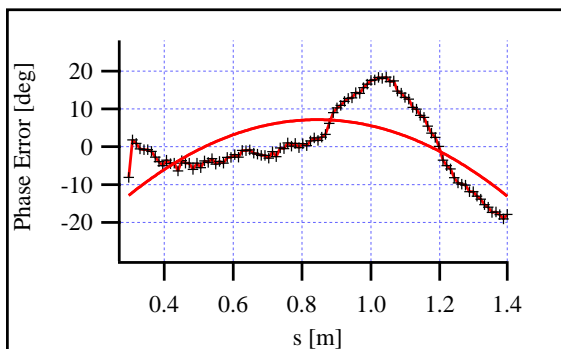
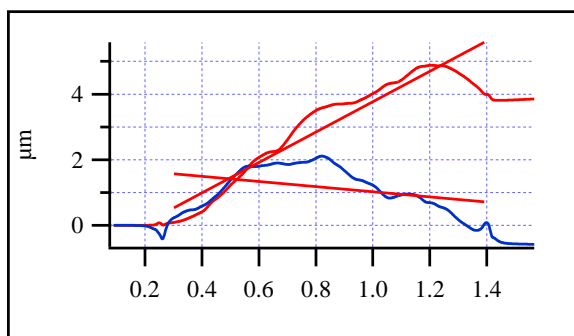
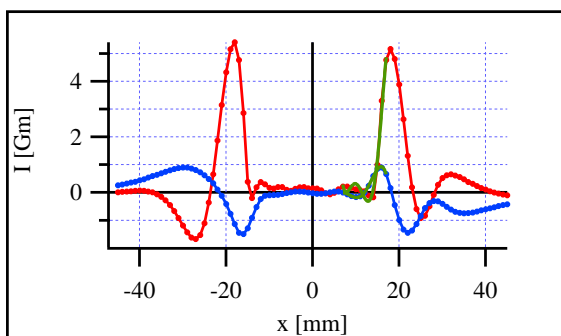
$$\Pi_z(sB_z): -0.0441 \text{ G m}^2$$

I4 : 1.0070 A

H Sextupole : 958.5 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.5 um



Kyma Srl

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