

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz277,Bx277,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.01971 T

RMS Phase Error : 4.21 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 11.7 %

Fund. En. (B2E) : 2855.8 eV = 0.4 nm

Peak Field Bz: 0.40461 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.6 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -12.328 G/m

Bz Taper : -14.787 G/m

Krms : 0.589

V Dipole : -21.7 G cm

Iz(coil) : -20.0 G cm

Pred. C.C. currents

V Quadrupole : -77.3 G

$$I_z(\text{BzC}): -20.0 \text{ Gcm} \quad I_z(\text{Bz}): -7.2 \text{ G cm}$$

I1 : -1.6916 A

V Sextupole : -375.5 G/cm

$I_x(\text{coil}) : 45.1 \text{ G cm}$

I2 : -2.2986 A

$$I_x(B_xC) : 45.1 \text{ Gcm} \quad I_x(B_x) : 696.4 \text{ G cm}$$

H Dipole : 16.6 G cm

$$\Pi_X(sB_X) : 0.2314 \text{ G m}^2$$

I3 : 0.6557 A

H Quadrupole : -306.0 G

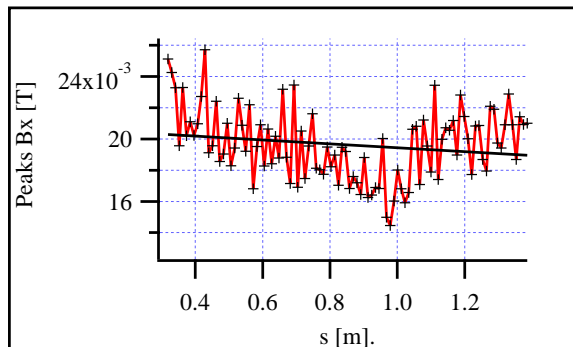
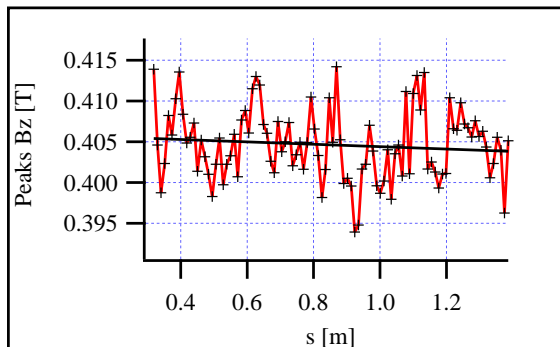
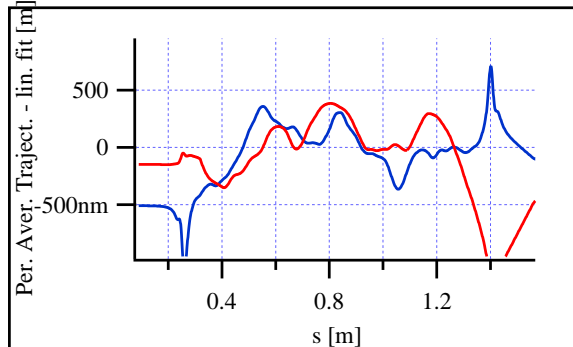
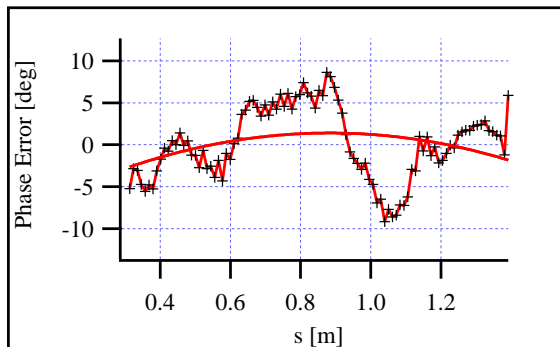
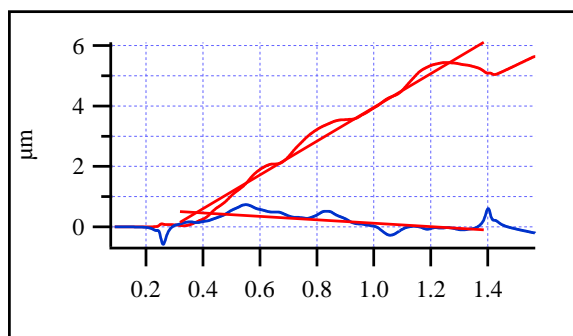
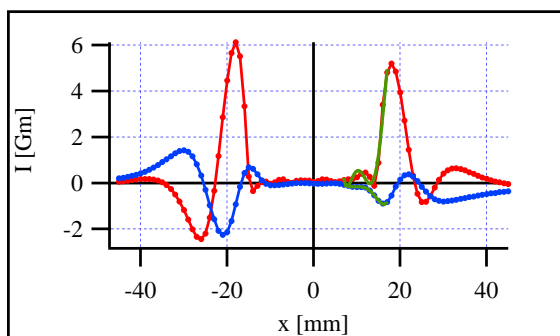
$$\Pi_z(sB_z): 0.1274 \text{ G m}^2$$

I4 : -1.9754 A

H Sextupole : 441.4 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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