

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz63,Bx63,Izmes29,Ixmes29

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : -1 Peak Field Bx: 0.00090 T

RMS Phase Error : 6.48 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 73.1 %

Fund. En. (B2E) : 2859.5 eV = 0.4 nm

Peak Field Bz: 0.41173 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.01+-0.07 mm

Delta Bz/Bz : 6.9 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 3.063 G/m

Bz Taper : 9.144 G/m

V Dipole : -0.9 G cm

Iz(coil) : -1.2 G cm

Pred. C.C. currents

V Quadrupole : 26.7 G

$$I_z(\text{BzC}): -1.2 \text{ Gcm} \quad I_z(\text{Bz}): 21.0 \text{ G cm}$$

I1 : 0.8093 A

V Sextupole : -39.1 G/cm

$I_x(\text{coil}) : -3.3 \text{ G cm}$

I2 : -1.2251 A

$$I_x(B_xC) : -3.3 \text{ Gcm} \quad I_x(B_x) : 775.2 \text{ G cm}$$

H Dipole : 1.6 G cm

$$\Pi_X(sB_X) : 0.1058 \text{ G m}^2$$

I3 : -0.5176 A

H Quadrupole : 14.6 G

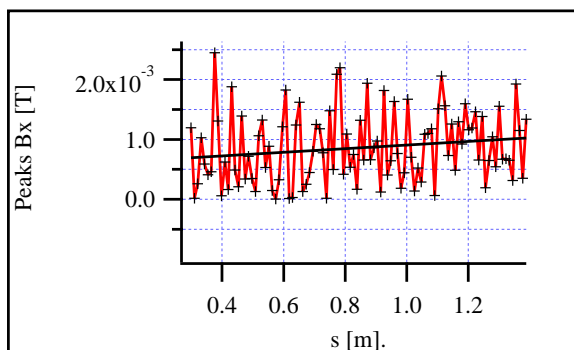
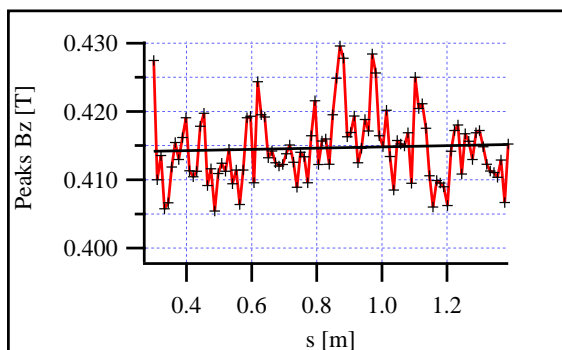
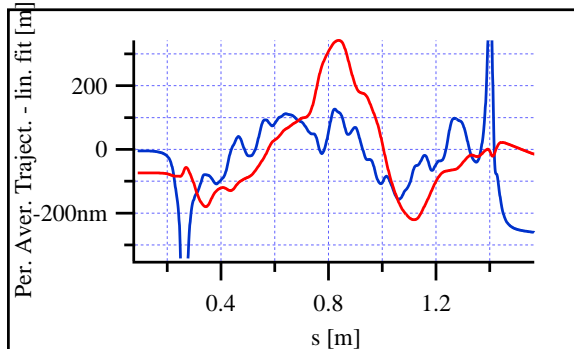
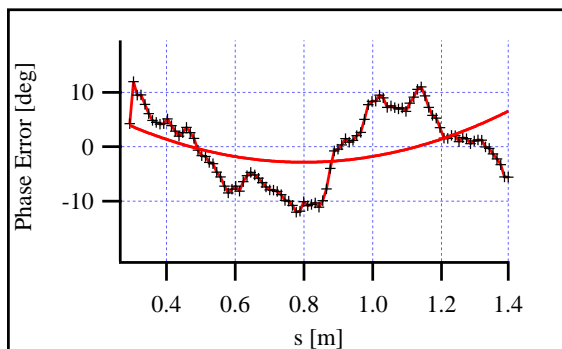
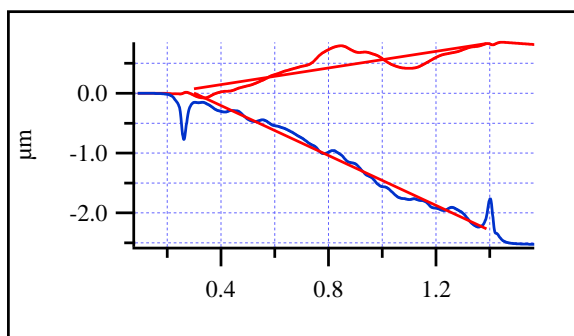
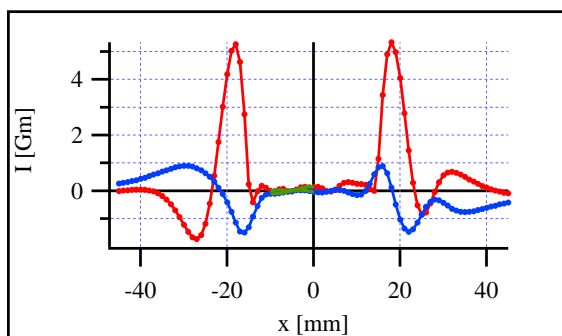
$$\Pi_z(sBz): -0.2439 \text{ G m}^2$$

I4 : 1.3234 A

H Sextupole : 103.1 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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