

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz113,Bx113,Izmes33,Ixmes33

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : -1 Peak Field Bx: 0.01516 T

RMS Phase Error : 6.58 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 5.7 %

Peak Field Bz: 0.33939 T

Fund. En. (B2E) : 3120.9 eV = 0.4 nm

Peak Field Bz: 0.33939 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.01+-0.09 mm

Delta Bz/Bz : 7.9 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 2.107 G/m

Bz Taper : 15.942 G/m

V Dipole : 5.5 G cm

Iz(coil) : 5.7 G cm

Pred. C.C. currents

V Quadrupole : 14.8 G

$$I_z(\text{BzC}): 5.7 \text{ G cm} \quad I_z(\text{Bz}): 21.8 \text{ G cm}$$

I1 : -0.2138 A

V Sextupole : -123.0 G/cm

$I_x(\text{coil}) : 8.0 \text{ G cm}$

I2 : -0.8851 A

$$I_x(BxC) : 8.0 \text{ Gcm} \quad I_x(Bx) : 629.9 \text{ G cm}$$

H Dipole : 9.6 G cm

$$\Pi_X(sB_X) : 0.1087 \text{ G m}^2$$

I3 : -0.7176 A

H Quadrupole : 106.6 G

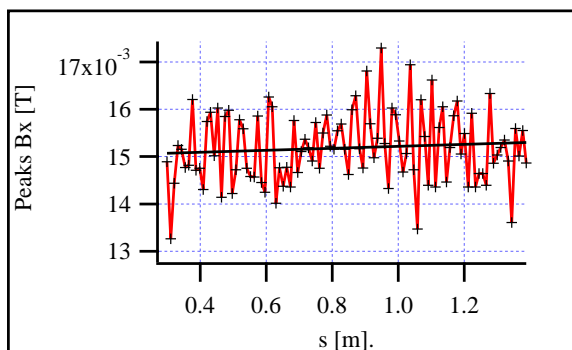
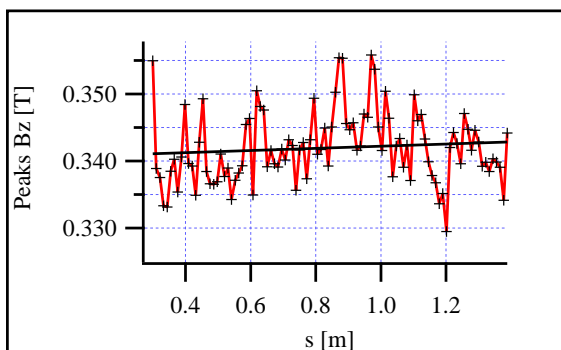
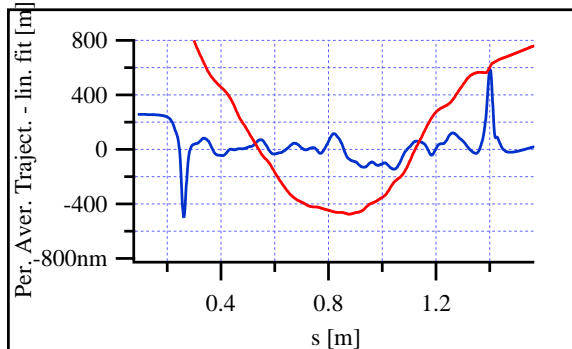
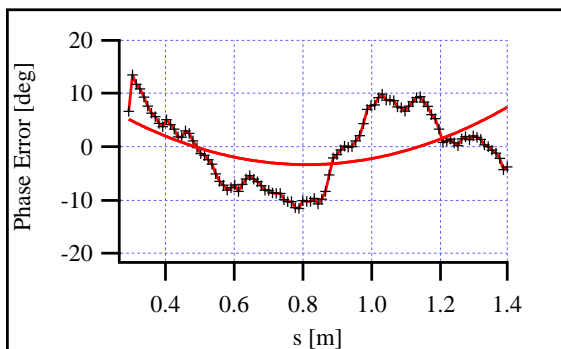
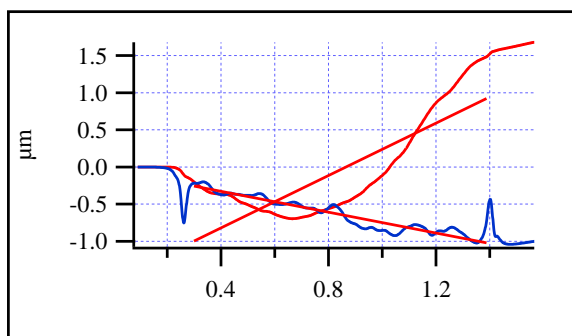
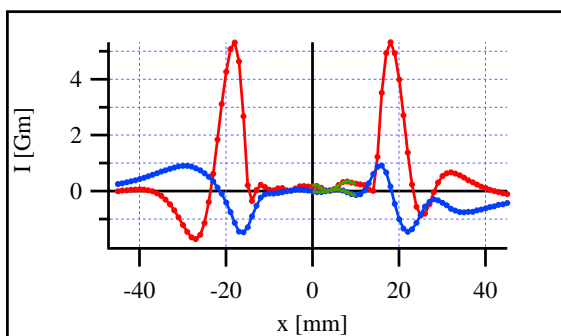
 $\Pi_z(\text{sBz}): -0.1424 \text{ G m}^2$

I4 : 0.8730 A

H Sextupole : 198.1 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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