

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz299,Bx299,Izmes22,Ixmes22

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 0 Peak Field Bx: 0.02513 T

RMS Phase Error : 2.81 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 8.0 %

Peak Field Bz: 0.44482 T

Fund. En. (B2E) : 2710.8 eV = 0.5 nm

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 7.645 G/m

Bz Taper : -6.406 G/m

V Dipole : -10.0 G cm

Iz(coil) : -9.8 G cm

Pred. C.C. currents

V Quadrupole : 53.9 G

$$I_z(\text{BzC}): -9.7 \text{ Gcm} \quad I_z(\text{Bz}): -5.5 \text{ G cm}$$

I1 : -1.2745 A

V Sextupole : 51.1 G/cm

Ix(coil) : 28.8 G cm

I2 : -1.8993 A

$$I_x(B_xC) : 28.9 \text{ Gcm} \quad I_x(B_x) : 719.2 \text{ G cm}$$

H Dipole : 14.0 G cm

$$\Pi_X(sB_X) : 0.2555 \text{ G m}^2$$

I3 : 0.3663 A

H Quadrupole : -108.4 G

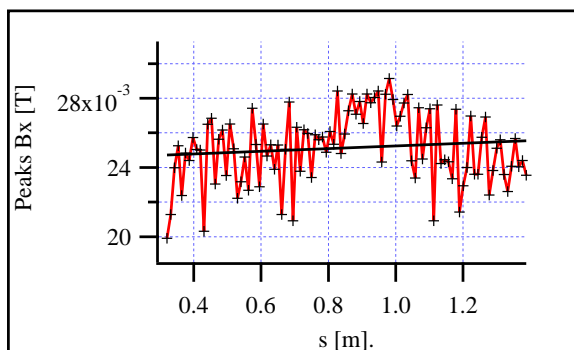
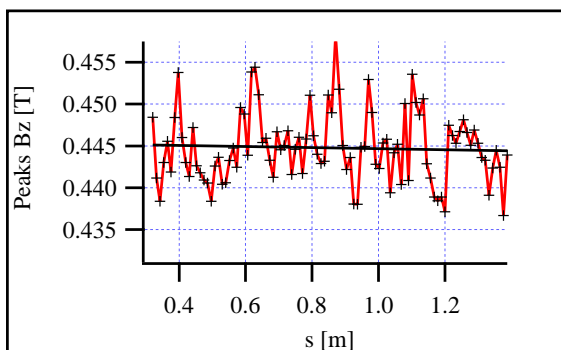
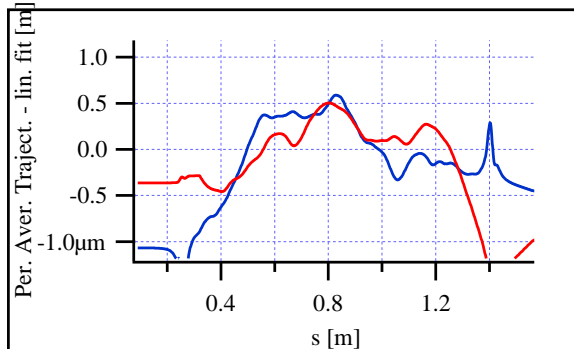
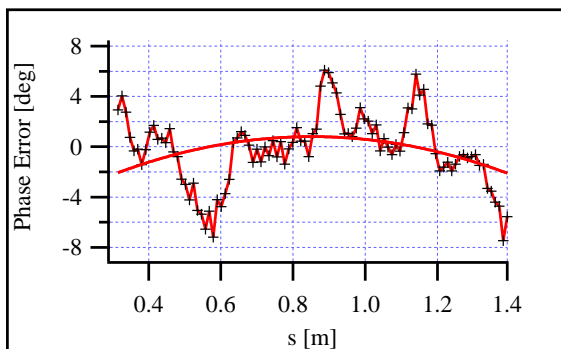
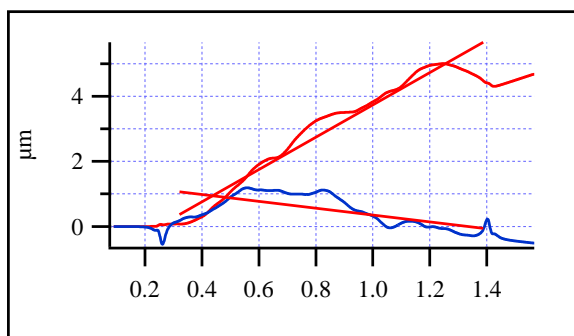
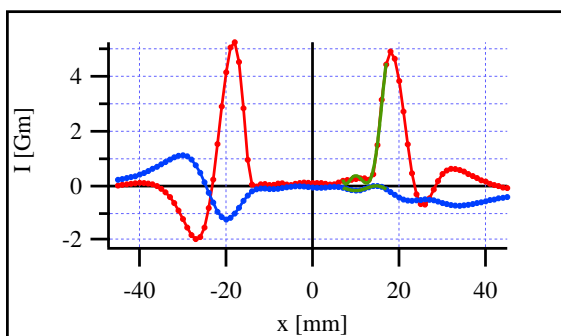
 $\Pi_z(\text{sBz}): 0.0209 \text{ G m}^2$

I4 : -0.5912 A

H Sextupole : 864.8 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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