

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz287,Bx287,Izmes47,Ixmes47

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : 1 Peak Field Bx: 0.10210 T

RMS Phase Error : 4.38 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 5.8 %

Fund. En. (B2E) : 3591.1 eV = 0.3 nm

Peak Field Bz: 0.15839 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.00+-0.11 mm

Delta Bz/Bz : 8.7 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 12.968 G/m

Bz Taper : -23.418 G/m

Krms : 0.274

V Dipole : -19.6 G cm

Iz(coil) : -17.7 G cm

Pred. C.C. currents

V Quadrupole : -85.4 G

$$I_z(\text{BzC}): -17.7 \text{ G cm} \quad I_z(\text{Bz}): -18.5 \text{ G cm}$$

I1 : -1.4220 A

V Sextupole : -372.6 G/cm

Ix(coil) : 29.5 G cm

I2 : -1.9567 A

$$I_x(BxC) : 29.5 \text{ Gcm} \quad I_x(Bx) : -121.8 \text{ G cm}$$

H Dipole : 0.6 G cm

$$\Pi_X(sB_X) : 0.2846 \text{ G m}^2$$

I3 : 1.1239 A

H Quadrupole : -315.6 G

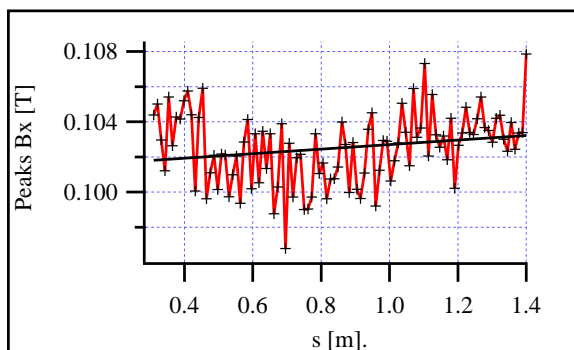
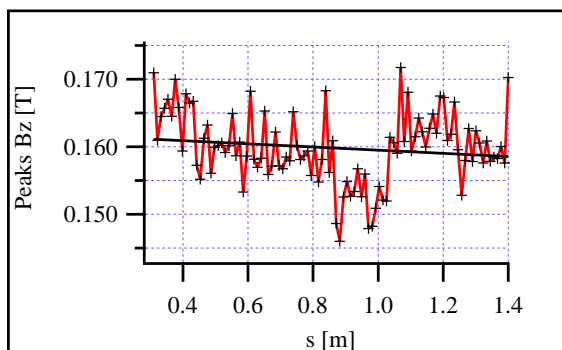
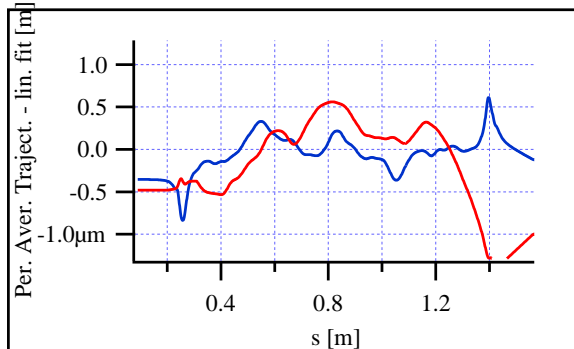
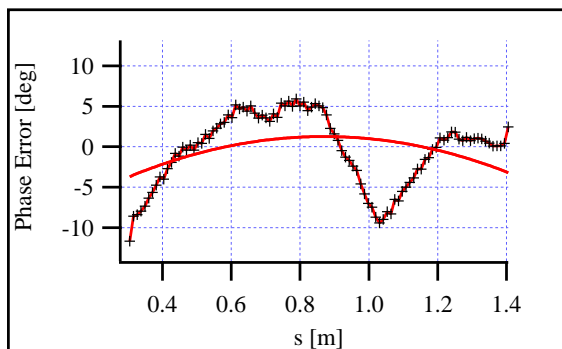
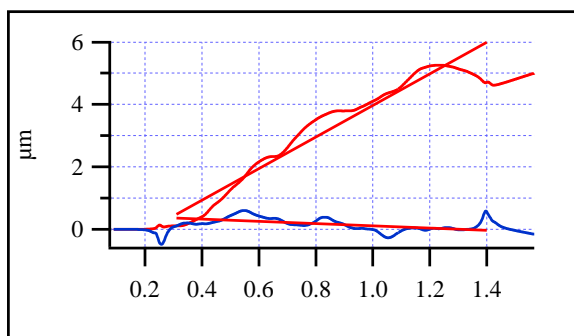
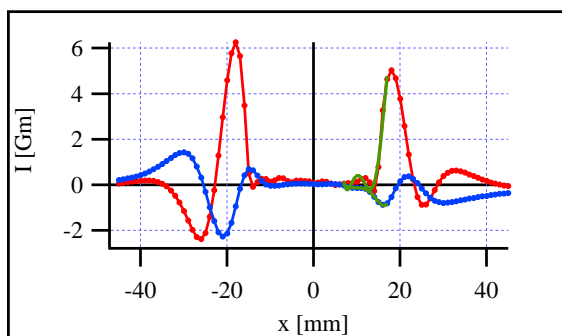
 $\mu_z(sB_z): 0.1137 \text{ G m}^2$

I4 : -1.2176 A

H Sextupole : 511.1 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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