

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz389,Bx389,Izmes11,Ixmes11

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : 1 Peak Field Bx: 0.03598 T

RMS Phase Error : 7.93 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 5.4 %

Fund. En. (B2E) : 2138.7 eV = 0.6 nm

Peak Field Bz: 0.61865 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 9.221 G/m

Bz Taper : -17.340 G/m

Krms : 0.900

V Dipole : 15.6 G cm

Iz(coil) : 12.2 G cm

Pred. C.C. currents

V Quadrupole : -230.3 G

$$I_z(\text{BzC}): 12.3 \text{ Gcm} \quad I_z(\text{Bz}): 24.9 \text{ G cm}$$

I1 : 0.2869 A

V Sextupole : 271.6 G/cm

Ix(coil) : 8.7 G cm

I2 : -0.1409 A

$$I_x(BxC) : 8.7 \text{ Gcm} \quad I_x(Bx) : 384.9 \text{ G cm}$$

H Dipole : -16.4 G cm

$$\Pi_X(sB_X) : -0.1138 \text{ G m}^2$$

I3 : -1.7905 A

H Quadrupole : 315.1 G

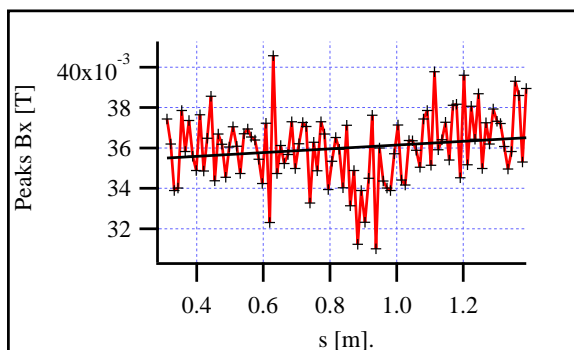
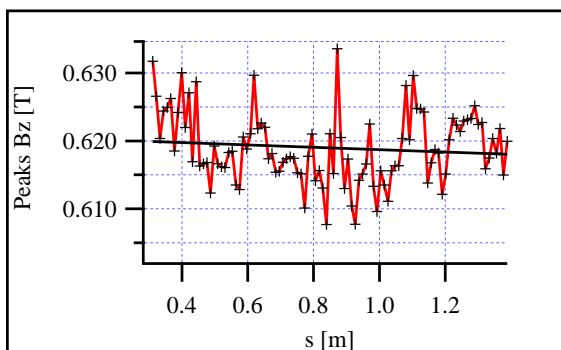
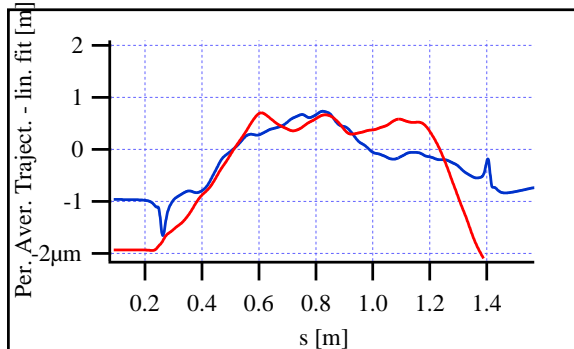
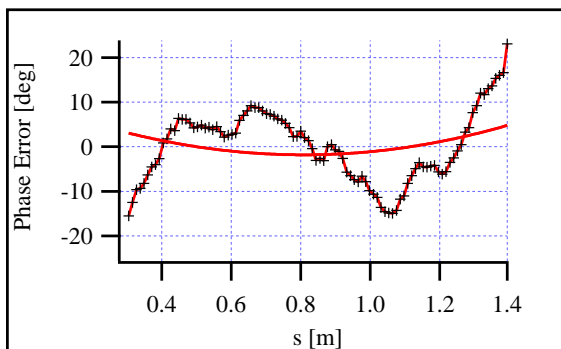
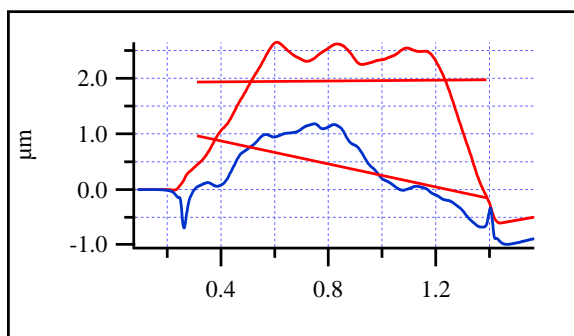
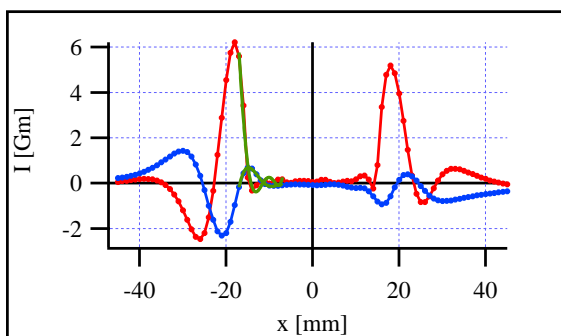
 $\Pi_z(\text{sBz}): -0.1788 \text{ G m}^2$

I4 : 0.6223 A

H Sextupole : 382.1 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



Kyma Srl

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