

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz381,Bx381,Izmes42,Ixmes42

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 0 Peak Field Bx: 0.03272 T

RMS Phase Error : 1.87 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 34.1 %

Fund. En. (B2E) : 3747.5 eV = 0.3 nm

Peak Field Bz: 0.06128 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.01+-0.25 mm Delta Bz/Bz : 13.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -8.558 G/m

Bz Taper : 29.101 G/m

Krms : 0.101

V Dipole : -5.0 G cm

Iz(coil) : -4.7 G cm

Pred. C.C. currents

V Quadrupole : 12.9 G

$$I_z(\text{BzC}): -4.7 \text{ Gcm} \quad I_z(\text{Bz}): -9.3 \text{ G cm}$$

I1 : 0.1929 A

V Sextupole : -167.7 G/cm

Ix(coil) : 19.6 G cm

I2 : -0.3330 A

$$I_x(B_xC) : 19.6 \text{ Gcm} \quad I_x(B_x) : 156.7 \text{ G cm}$$

H Dipole : 4.5 G cm

$$\Pi_X(sB_X) : -0.1754 \text{ G m}^2$$

I3 : -0.9638 A

H Quadrupole : 131.2 G

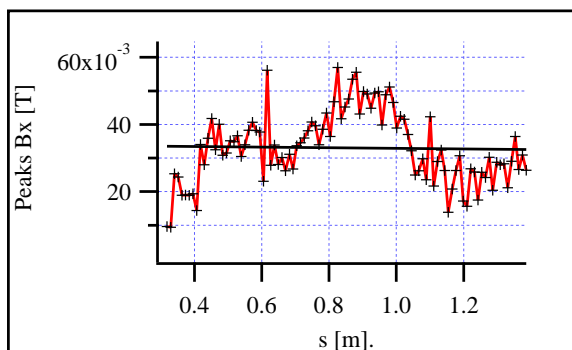
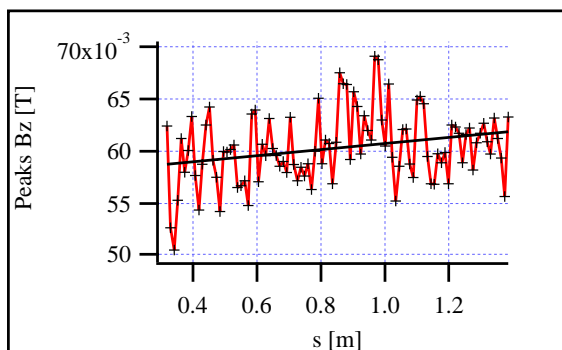
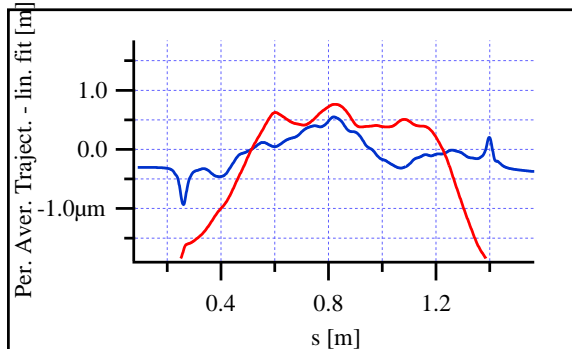
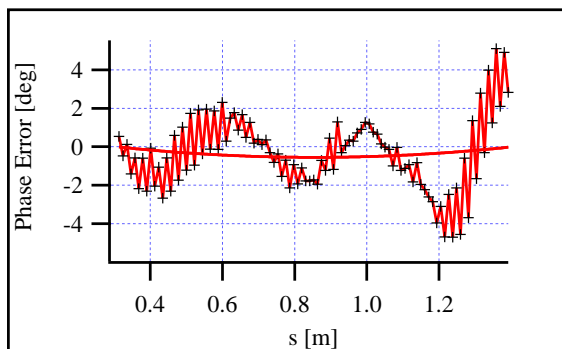
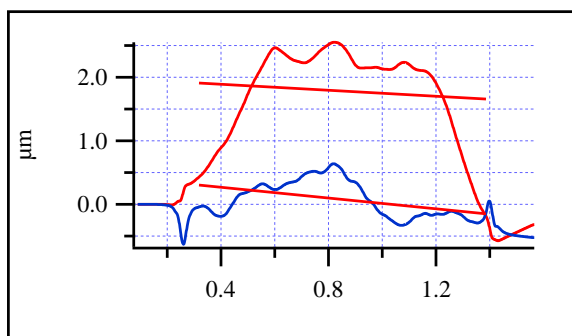
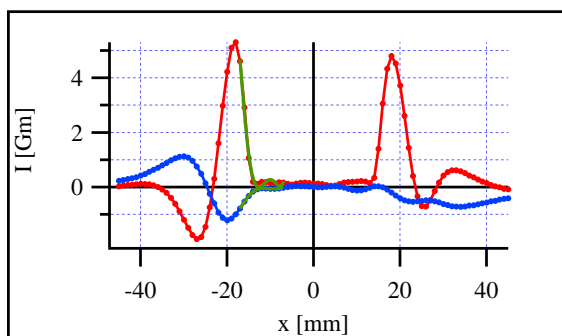
$$\text{IIz(sBz): } -0.0182 \text{ G m}^2$$

I4 : -1.2009 A

H Sextupole : 598.0 G/cm

BzTrj RMS dev. : 0.3 um

BxTrj RMS dev. : 0.7 um



Kyma Srl

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