

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz343,Bx343,Izmes13,Ixmes13

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : -1 Peak Field Bx: 0.03003 T

RMS Phase Error : 3.66 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 6.6 %

Peak Field Bz: 0.59359 T

Fund. En. (B2E) : 2215.6 eV = 0.6 nm

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 : -14.840 G/m

Bz Taper : -4.434 G/m

Krms : 0.864

V Dipole : -27.9 G cm

Iz(coil) : -24.5 G cm

Pred. C.C. currents

V Quadrupole : 199.1 G

$$I_z(\text{BzC}): -24.5 \text{ Gcm} \quad I_z(\text{Bz}): 51.0 \text{ G cm}$$

I1 : -0.5615 A

V Sextupole : -619.9 G/cm

$I_x(\text{coil}) : 22.4 \text{ G cm}$

I2 : -0.0827 A

$$I_x(B_xC) : 22.4 \text{ Gcm} \quad I_x(B_x) : 531.3 \text{ G cm}$$

H Dipole : -2.4 G cm

$$\Pi_X(sB_X) : -0.1168 \text{ G m}^2$$

I3 : 1.2295 A

H Ouadrupole : 280.4 G

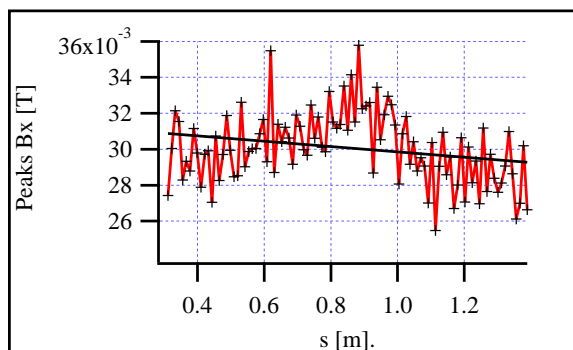
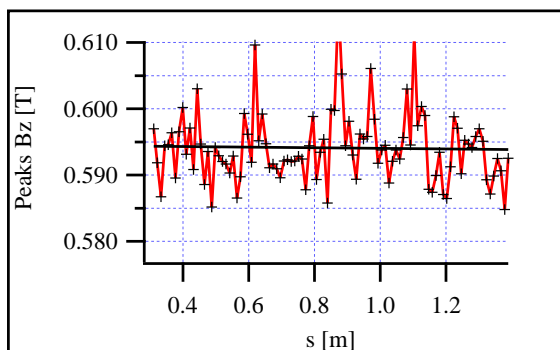
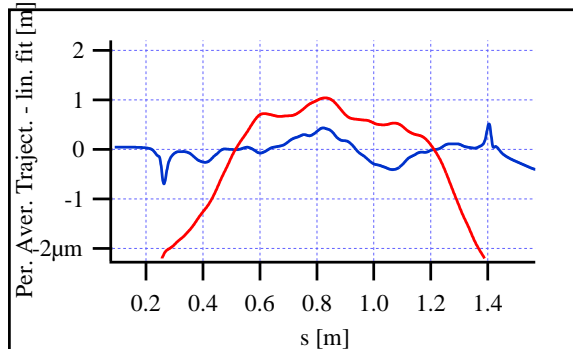
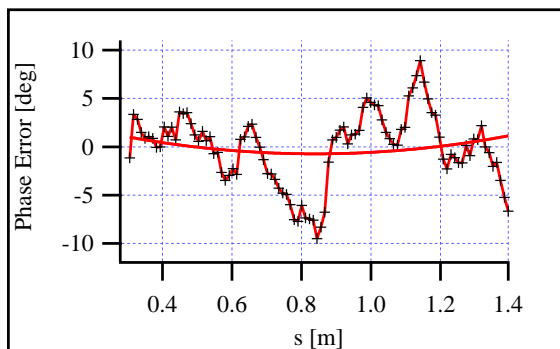
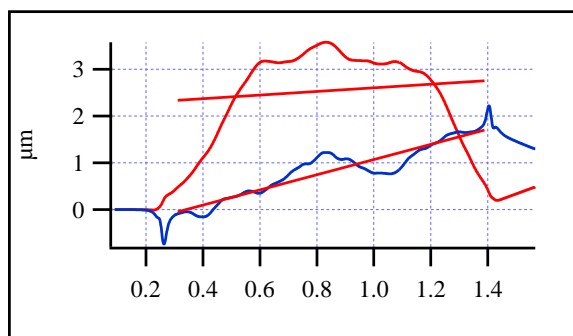
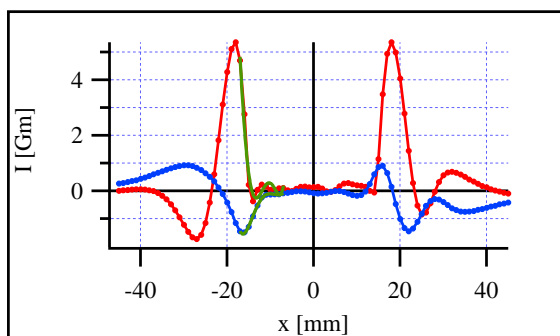
 $\Pi_z(sB_z): 0.3104 \text{ G m}^2$

I4 : -3.2225 A

H Sextupole : 92.2 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.9 um



Kyma Srl

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