

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz273,Bx273,Izmes19,Ixmes19

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : 1 Peak Field Bx: 0.01123 T

RMS Phase Error : 5.16 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 18.6 %

Fund. En. (B2E) : 2433.9 eV = 0.5 nm

Peak Field Bz: 0.52443 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : -12.420 G/m

Bz Taper : -19.074 G/m

Krms : 0.762

V Dipole : -22.2 G cm

Iz(coil) : -20.3 G cm

Pred. C.C. currents

V Quadrupole : -81.6 G

$$I_z(\text{BzC}): -20.3 \text{ Gcm} \quad I_z(\text{Bz}): 17.8 \text{ G cm}$$

I1 : -2.0491 A

V Sextupole : -381.8 G/cm

$I_x(\text{coil}) : 43.8 \text{ G cm}$

I2 : -1.9975 A

$$I_x(B_xC) : 43.9 \text{ Gcm} \quad I_x(B_x) : 693.3 \text{ G cm}$$

H Dipole : 14.6 G cm

$$\Pi_X(sB_X) : 0.2534 \text{ G m}^2$$

I3 : 1.1122 A

H Quadrupole : -315.4 G

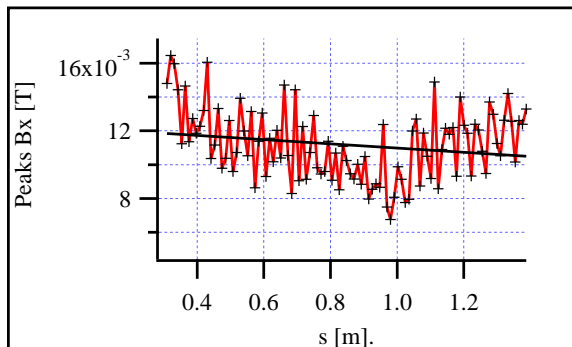
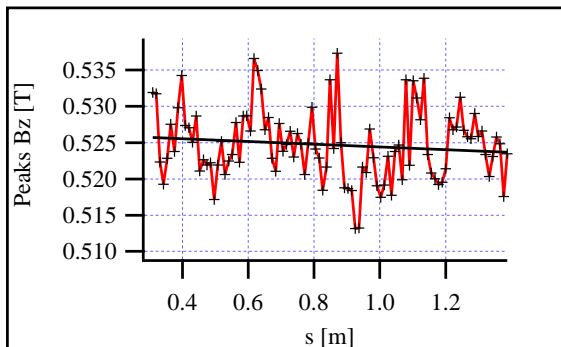
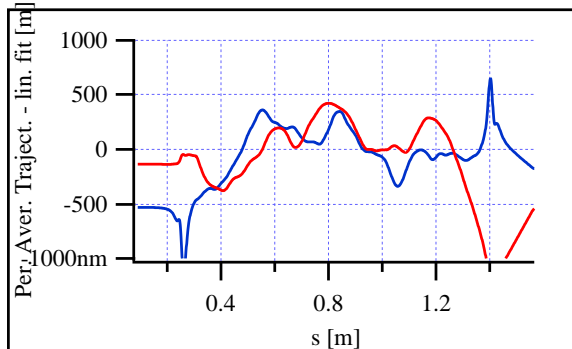
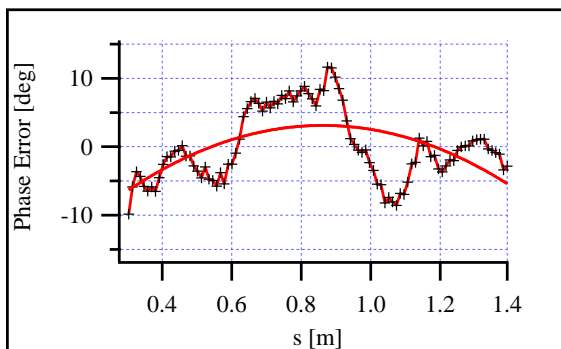
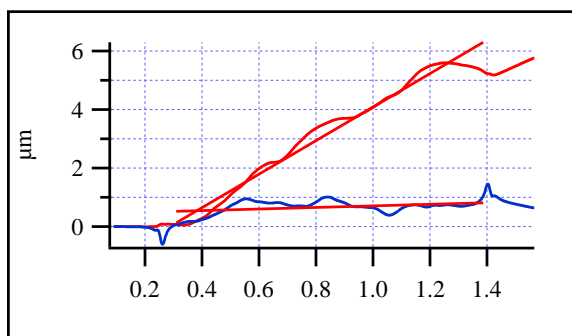
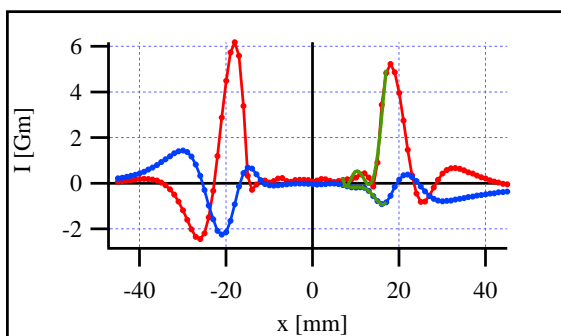
 $\Pi_z(sBz): 0.2138 \text{ G m}^2$

I4 : -2.2334 A

H Sextupole : 488.6 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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