

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz307,Bx307,Izmes38,Ixmes38

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : 0 Peak Field Bx: 0.04727 T

RMS Phase Error : 1.32 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 9.5 %

Peak Field Bz: 0.12820 T

Fund. En. (B2E) : 3661.0 eV = 0.3 nm

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.00+-0.12 mm Delta Bz/Bz : 4.9 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -20.666 G/m

Bz Taper : 35.909 G/m

Krms : 0.199

V Dipole : -8.6 G cm

Iz(coil) : -8.6 G cm

Pred. C.C. currents

V Quadrupole : 49.9 G

$$I_z(\text{BzC}): -8.6 \text{ Gcm} \quad I_z(\text{Bz}): -10.0 \text{ G cm}$$

I1 : -1.1280 A

V Sextupole : 55.3 G/cm

$I_x(\text{coil}) : 24.7 \text{ G cm}$

I2 : -1.9042 A

$$I_x(B_xC) : 24.7 \text{ Gcm} \quad I_x(B_x) : 286.6 \text{ G cm}$$

H Dipole : 10.2 G cm

$$\Pi_X(sB_X) : 0.2732 \text{ G m}^2$$

I3 : 0.3736 A

H Quadrupole : -113.1 G

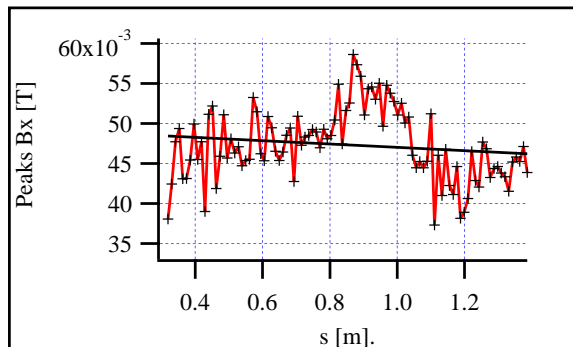
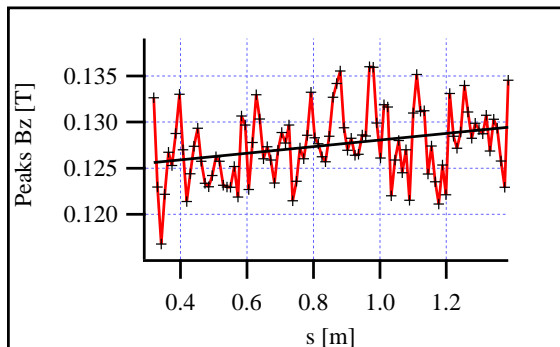
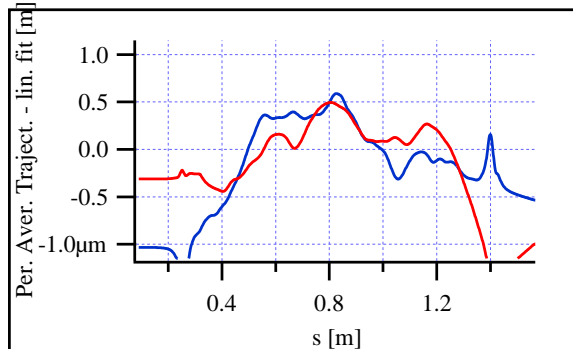
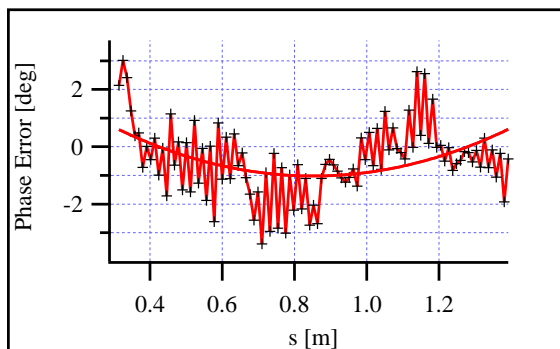
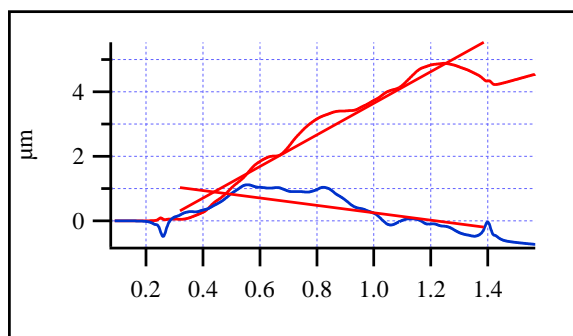
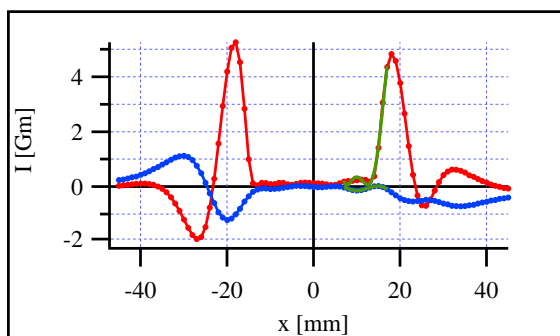
$$\Pi_z(sB_z): -0.0095 \text{ G m}^2$$

I4 : -0.2522 A

H Sextupole : 845.5 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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