

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz391,Bx391,Izmes15,Ixmes15

Gap [mm] : 200

Phase [mm] : 3    Hall Z [mm] : 1    Peak Field Bx: 0.03745 T

RMS Phase Error : 7.24 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 5.2 %

Fund. En. (B2E) : 2235.8 eV = 0.6 nm

Peak Field Bz: 0.58679 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 : 5.141 G/m

Bz Taper : -14.134 G/m

Krms : 0.854

V Dipole : 17.6 G cm

Iz(coil) : 14.3 G cm

Pred. C.C. currents

V Quadrupole : -226.5 G

$$I_z(\text{BzC}): 14.4 \text{ Gcm} \quad I_z(\text{Bz}): 31.7 \text{ G cm}$$

I1 : 0.1627 A

V Sextupole : 268.4 G/cm

$I_x(\text{coil}) : 12.4 \text{ G cm}$

I2 : -0.1968 A

$$I_x(B_xC) : 12.4 \text{ Gcm} \quad I_x(B_x) : 527.4 \text{ G cm}$$

H Dipole : -11.5 G cm

$$\Pi_X(sB_X) : -0.1206 \text{ G m}^2$$

I3 : -2.0560 A

H Quadrupole : 304.9 G

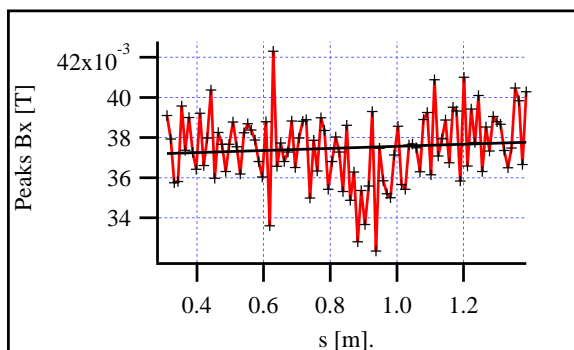
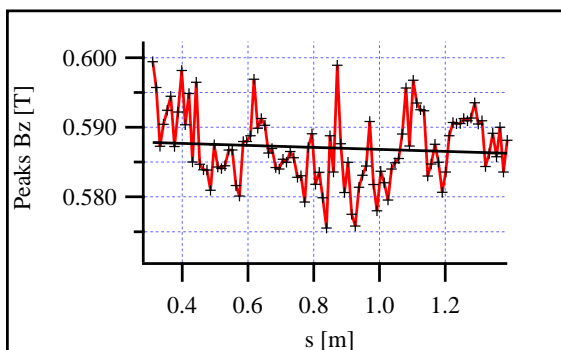
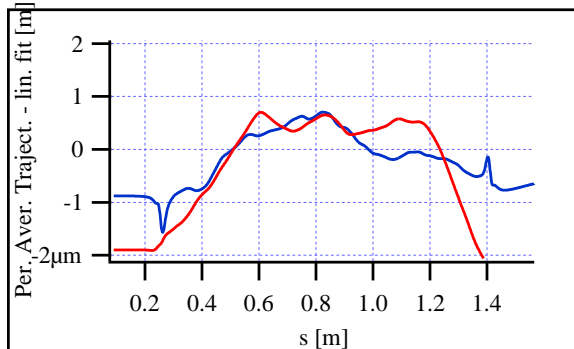
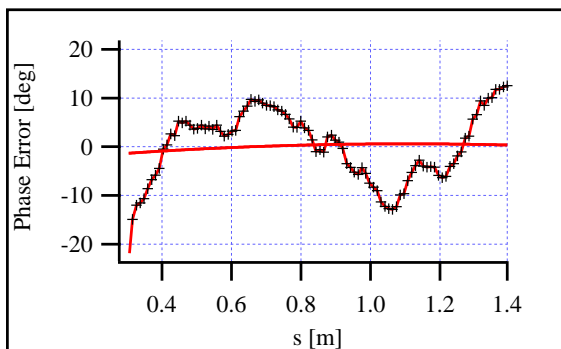
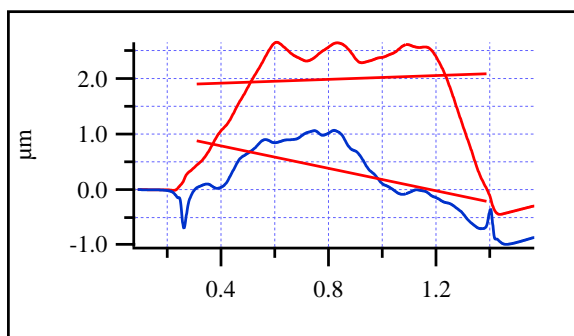
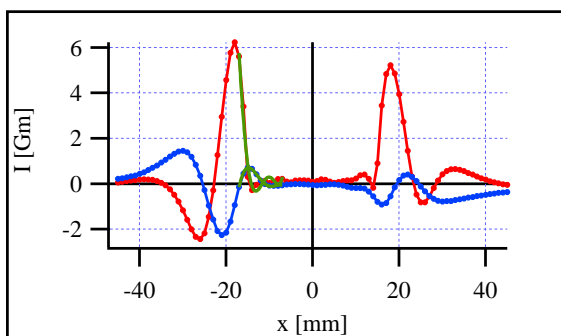
 $\Pi_z(sBz): -0.1916 \text{ G m}^2$ 

I4 : 0.6293 A

H Sextupole : 370.9 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



Kyma Srl

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