

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz331,Bx331,Izmes37,Ixmes37

Gap [mm] : 200

Phase [mm] : 9    Hall Z [mm] : -1    Peak Field Bx: 0.10546 T

RMS Phase Error : 6.91 deg

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 3.5 %

Fund. En. (B2E) : 3303.4 eV = 0.4 nm

Peak Field Bz: 0.26116 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.01+-0.10 mm

Delta Bz/Bz : 8.2 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : -2.574 G/m

Bz Taper : -19.014 G/m

Krms : 0.409

V Dipole : 1.4 G cm

Iz(coil) : -0.7 G cm

Pred. C.C. currents

V Quadrupole : 203.8 G

$$I_z(\text{BzC}): -0.7 \text{ Gcm} \quad I_z(\text{Bz}): -24.8 \text{ G cm}$$

I1 : -1.4179 A

V Sextupole : 523.9 G/cm

$I_x(\text{coil}) : 18.3 \text{ G cm}$

I2 : -1.9106 A

$$I_x(B_xC) : 18.4 \text{ Gcm} \quad I_x(B_x) : 275.9 \text{ G cm}$$

H Dipole : -4.9 G cm

$$\Pi_X(sB_X) : 0.3894 \text{ G m}^2$$

I3 : 0.3943 A

H Quadrupole : -270.9 G

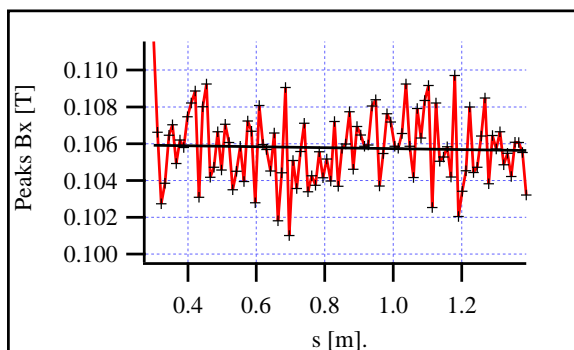
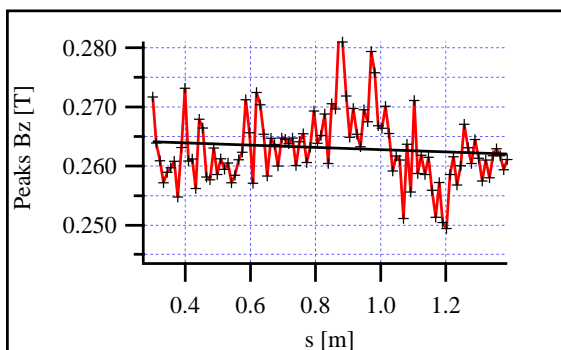
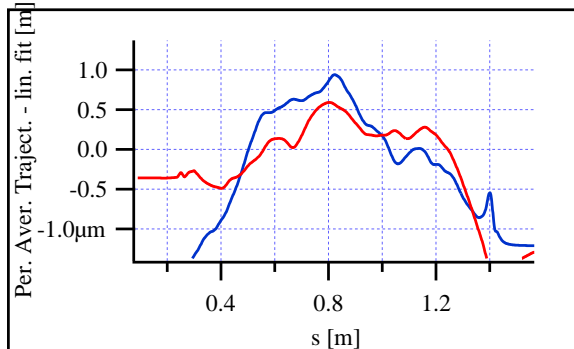
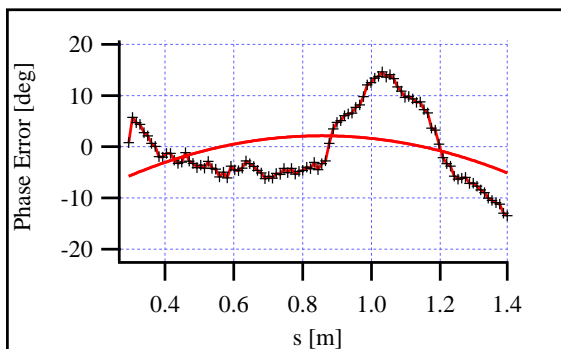
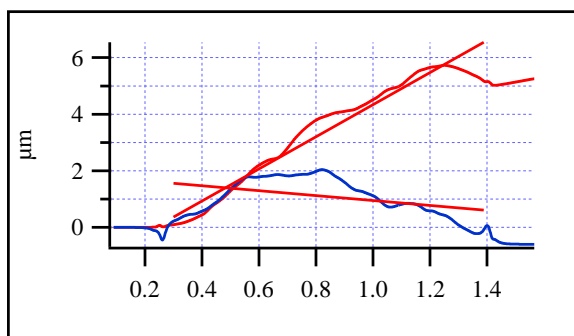
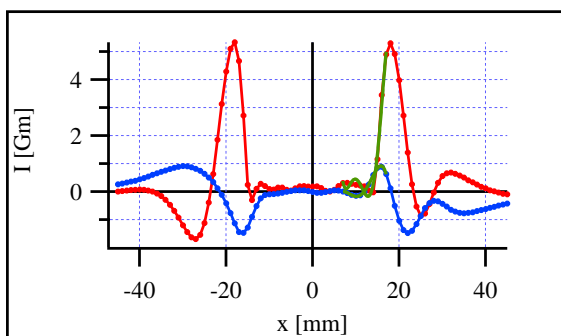
 $\mu_z(sBz): -0.0548 \text{ G m}^2$ 

I4 : 0.7722 A

H Sextupole : 953.9 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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