

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz375,Bx375,Izmes30,Ixmes30

Gap [mm] : 200

Phase [mm] : 7    Hall Z [mm] : 0    Peak Field Bx: 0.00437 T

RMS Phase Error : 2.55 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 57.5 %

Fund. En. (B2E) : 3152.9 eV = 0.4 nm

Peak Field Bz: 0.31648 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.05 mm Delta Bz/Bz : 1.4 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -0.243 G/m

Bz Taper : 9.072 G/m

Krms : 0.460

V Dipole : -6.8 G cm

Iz(coil) : -6.8 G cm

Pred. C.C. currents

V Quadrupole : 7.3 G

$$I_z(\text{BzC}): -6.7 \text{ Gcm} \quad I_z(\text{Bz}): -0.2 \text{ G cm}$$

I1 : 0.2526 A

V Sextupole : -163.9 G/cm

Ix(coil) : 7.0 G cm

I2 : 0.2366 A

$$I_x(B_xC) : 7.0 \text{ Gcm} \quad I_x(B_x) : 606.2 \text{ G cm}$$

H Dipole : -7.8 G cm

$$\Pi_X(sB_X) : -0.1563 \text{ G m}^2$$

I3 : -0.1173 A

H Quadrupole : 144.4 G

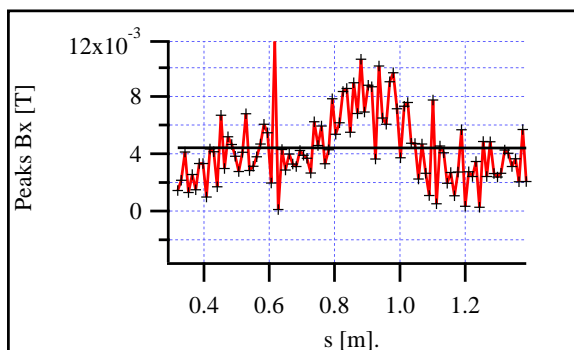
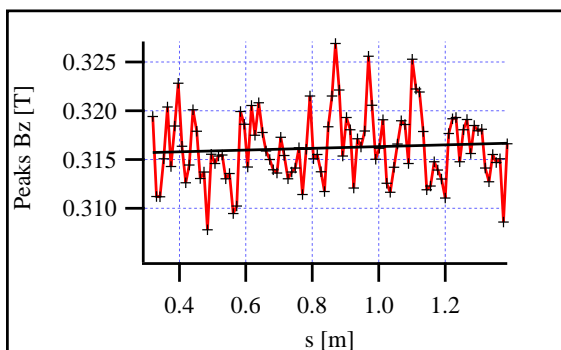
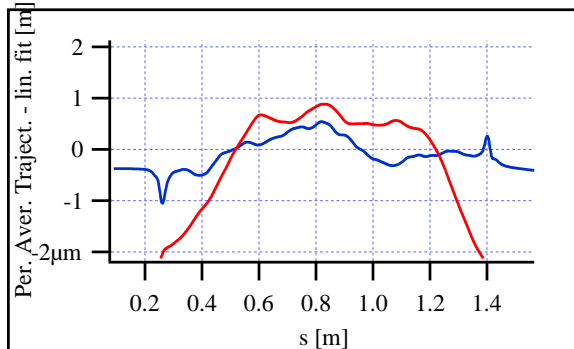
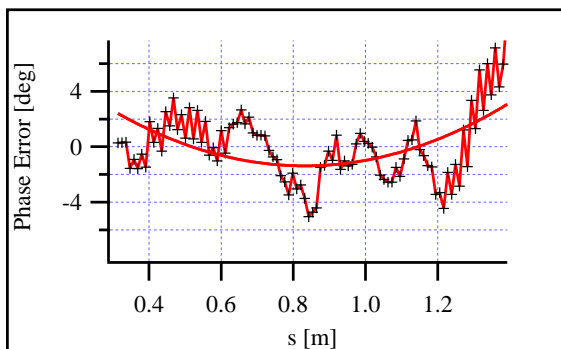
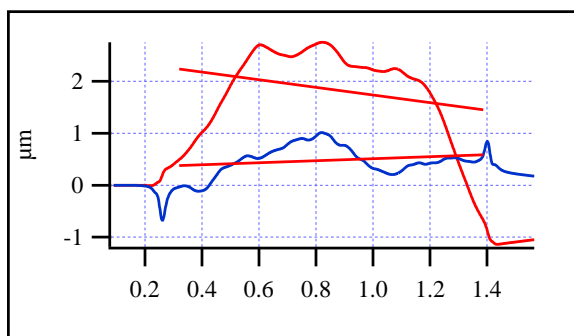
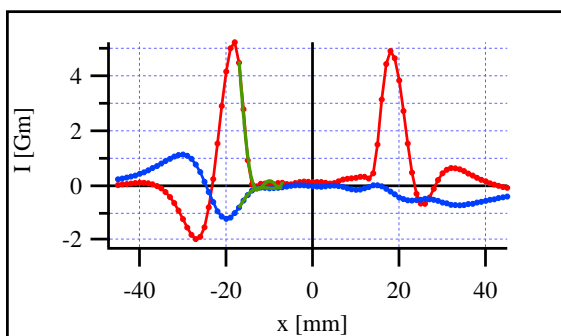
 $\Pi_z(\text{sBz}): 0.0670 \text{ G m}^2$ 

I4 : -1.1977 A

H Sextupole : 617.4 G/cm

BzTrj RMS dev. : 0.3 um

BxTrj RMS dev. : 0.8 um



Kyma Srl

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