

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz351,Bx351,Izmes29,Ixmes29

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : -1 Peak Field Bx: 0.05777 T

RMS Phase Error : 5.59 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 4.8 %

Fund. En. (B2E) : 2938.1 eV = 0.4 nm

Peak Field Bz: 0.37488 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.01+-0.07 mm Delta Bz/Bz : 6.7 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : -13.541 G/m

Bz Taper : 3.379 G/m

Krms : 0.551

V Dipole : -28.7 G cm

Iz(coil) : -25.5 G cm

Pred. C.C. currents

V Quadrupole : 210.5 G

$$I_z(\text{BzC}): -25.5 \text{ Gcm} \quad I_z(\text{Bz}): 22.4 \text{ G cm}$$

I1 : -0.1434 A

V Sextupole : -600.0 G/cm

$I_x(\text{coil}) : 17.7 \text{ G cm}$

I2 : -0.3209 A

$$I_x(B_xC) : 17.8 \text{ Gcm} \quad I_x(B_x) : 599.9 \text{ G cm}$$

H Dipole : -7.4 G cm

$$\Pi_X(sB_X) : -0.1007 \text{ G m}^2$$

I3 : 1.1657 A

H Quadrupole : 283.3 G

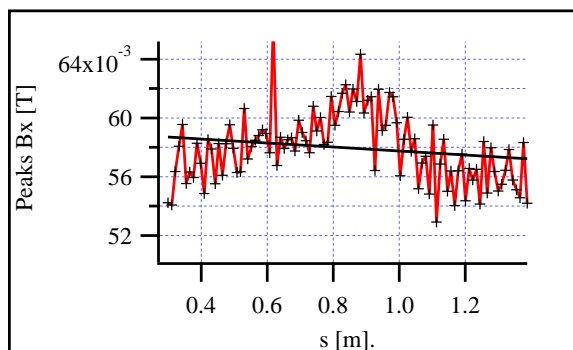
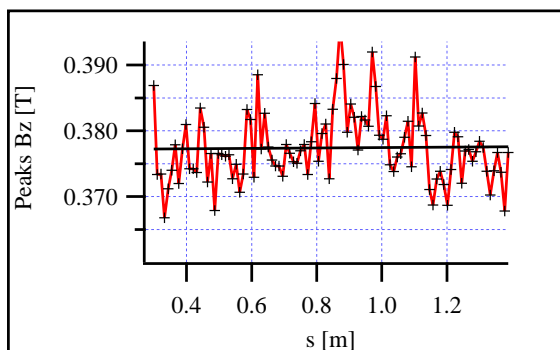
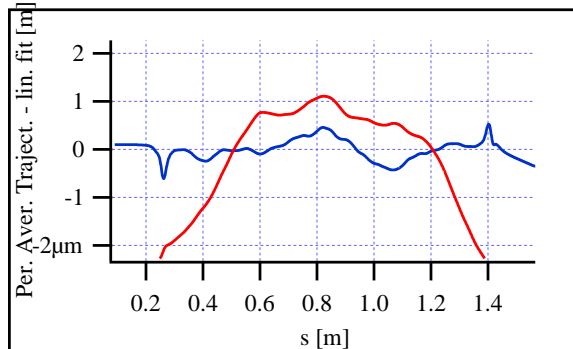
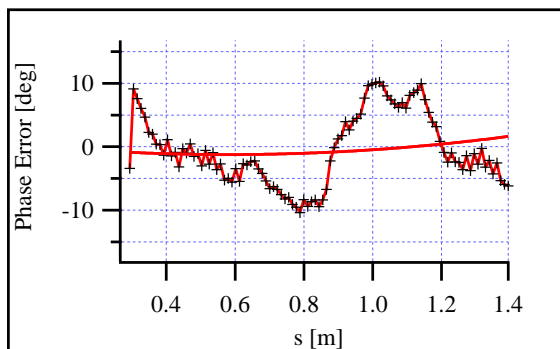
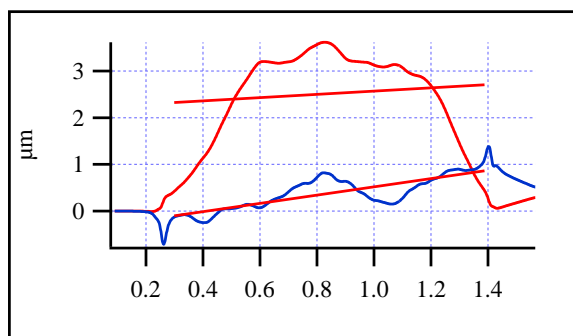
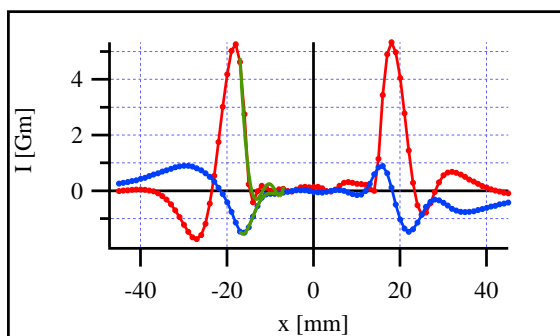
 $\Pi_Z(\text{sBz}): 0.2380 \text{ G m}^2$ 

I4 : -2.7927 A

H Sextupole : 139.1 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 1.0 um



Kyma Srl

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