

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz267,Bx267,Izmes7,Ixmes7

Gap [mm] : 200

Phase [mm] : 1    Hall Z [mm] : 1    Peak Field Bx: 0.01057 T

RMS Phase Error : 5.46 deg

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 18.5 %

Fund. En. (B2E) :  $2096.2 \text{ eV} = 0.6 \text{ nm}$ 

Peak Field Bz: 0.63036 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : -10.191 G/m

Bz Taper : -8.037 G/m

Krms : 0.916

V Dipole : -25.0 G cm

Iz(coil) : -23.4 G cm

Pred. C.C. currents

V Quadrupole : -81.7 G

$$I_z(\text{BzC}): -23.4 \text{ Gcm} \quad I_z(\text{Bz}): 18.9 \text{ G cm}$$

I1 : -2.0510 A

V Sextupole : -384.0 G/cm

$I_x(\text{coil}) : 33.5 \text{ G cm}$

I2 : -1.4997 A

$$I_x(B_xC) : 33.6 \text{ Gcm} \quad I_x(B_x) : 305.5 \text{ G cm}$$

H Dipole : 4.3 G cm

$$\Pi_X(sB_X) : 0.2728 \text{ G m}^2$$

I3 : 1.9697 A

H Quadrupole : -320.7 G

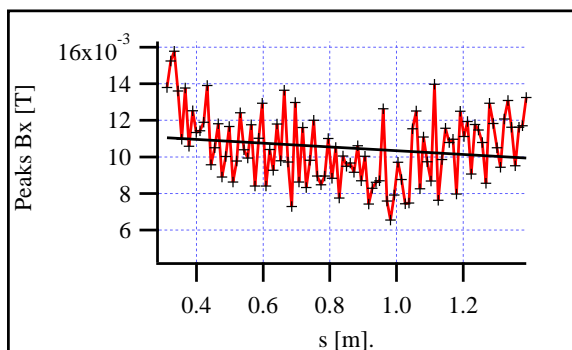
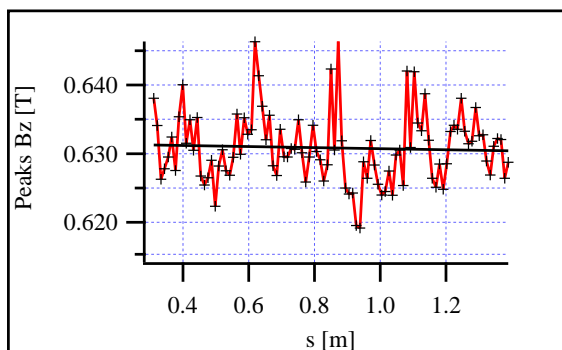
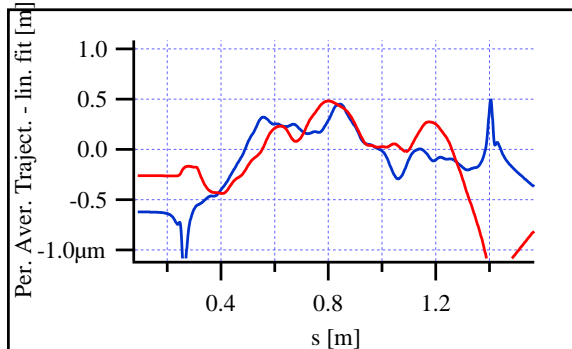
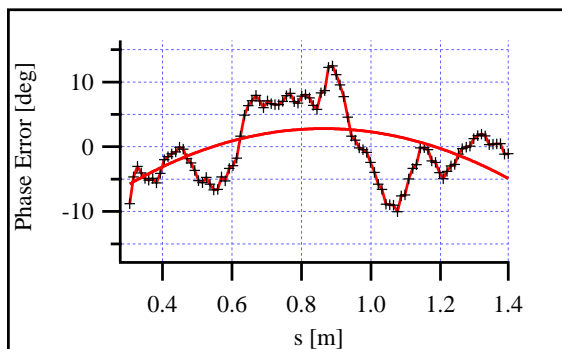
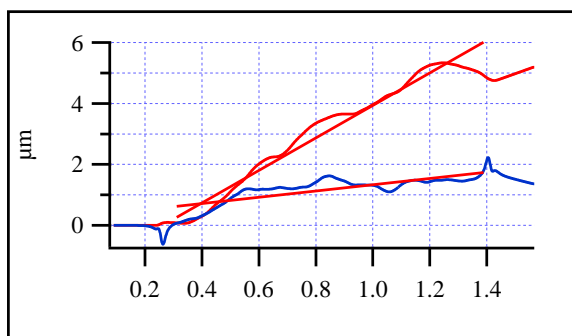
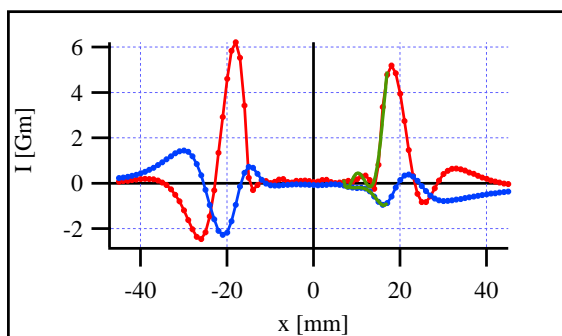
 $\Pi_z(\text{sBz}): 0.3080 \text{ G m}^2$ 

I4 : -2.3717 A

H Sextupole : 498.9 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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