

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz201,Bx201,Izmes19,Ixmes19

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : 1 Peak Field Bx: 0.01147 T

RMS Phase Error : 5.25 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 7.5 %

Fund. En. (B2E) : $2196.3 \text{ eV} = 0.6 \text{ nm}$

Peak Field Bz: 0.60092 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm

Delta Bz/Bz : 1.3 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.640 G/m

Bz Taper : -27.865 G/m

V Dipole : -2.5 G cm

Iz(coil) : -2.6 G cm

Pred. C.C. currents

V Quadrupole : 15.5 G

$$I_z(\text{BzC}): -2.6 \text{ Gcm} \quad I_z(\text{Bz}): 43.6 \text{ G cm}$$

I1 : 0.5739 A

V Sextupole : -37.0 G/cm

$I_x(\text{coil}) : 5.9 \text{ G cm}$

I2 : -1.4268 A

$$I_X(BXC) : 5.9 \text{ Gcm} \quad I_X(BX) : 822.3 \text{ G cm}$$

H Dipole : 11.1 G cm

$$\Pi_X(sB_X) : 0.0872 \text{ G m}^2$$

I3 : -0.7133 A

H Quadrupole : -16.7 G

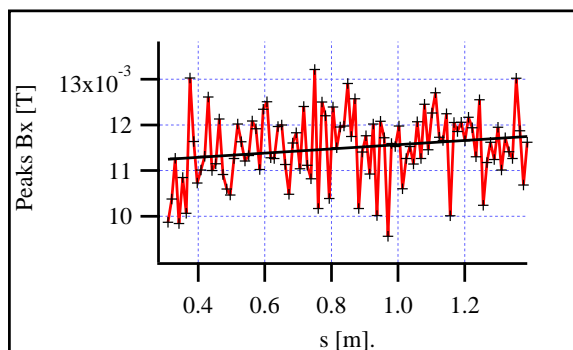
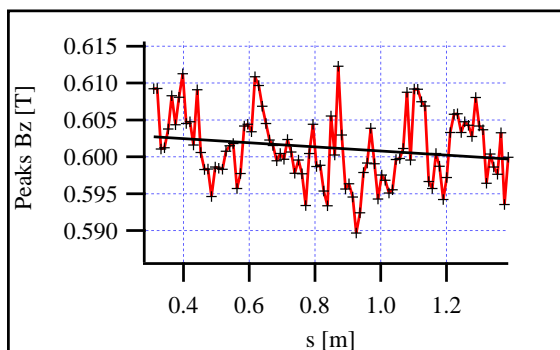
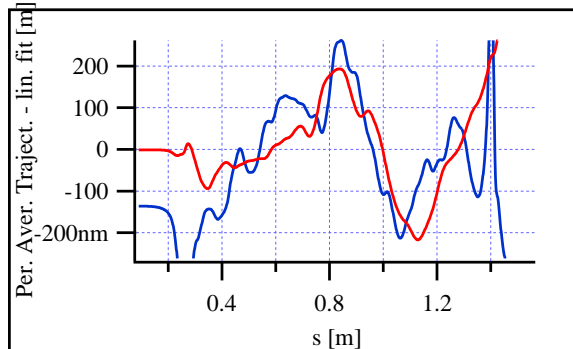
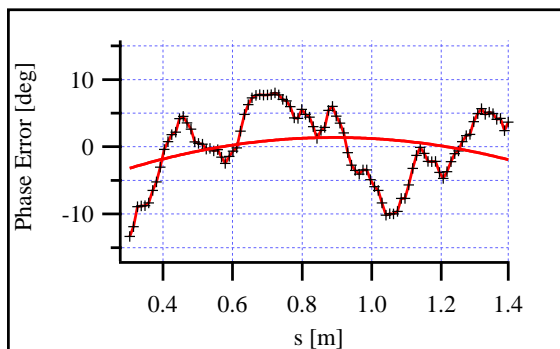
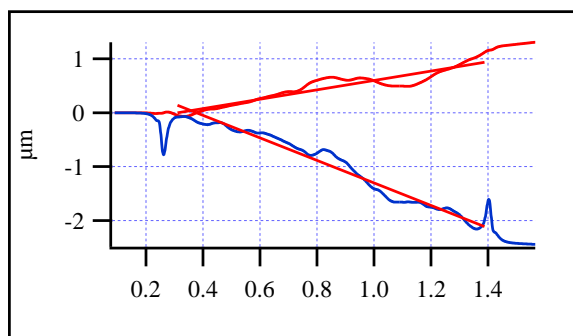
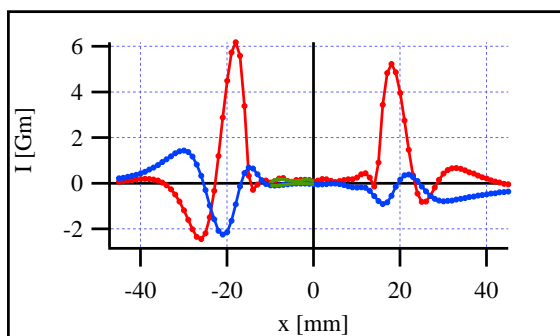
$$\Pi_z(\text{sBz}): -0.2254 \text{ G m}^2$$

I4 : 0.8670 A

H Sextupole : 115.8 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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