

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz189,Bx189,Izmes42,Ixmes42

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 0 Peak Field Bx: 0.00554 T

RMS Phase Error : 1.31 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 34.2 %

Fund. En. (B2E) : $3842.6 \text{ eV} = 0.3 \text{ nm}$

Peak Field Bz: 0.06555 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.01+/-0.22 mm

Delta Bz/Bz : 13.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 1.356 G/m

Bz Taper : 36.061 G/m

Krms : 0.096

V Dipole : 1.9 G cm

Iz(coil) : 1.7 G cm

Pred. C.C. currents

V Quadrupole : 18.6 G

$$I_z(\text{BzC}): 1.7 \text{ Gcm} \quad I_z(\text{Bz}): 2.0 \text{ G cm}$$

I1 : 0.5739 A

V Sextupole : -37.6 G/cm

$I_x(\text{coil}) : 9.4 \text{ G cm}$

I2 : -1.5328 A

$$I_x(B_xC) : 9.4 \text{ Gcm} \quad I_x(B_x) : 174.8 \text{ G cm}$$

H Dipole : 12.0 G cm

$$\Pi_X(sB_X) : 0.0698 \text{ G m}^2$$

I3 : -1.2657 A

H Quadrupole : -2.8 G

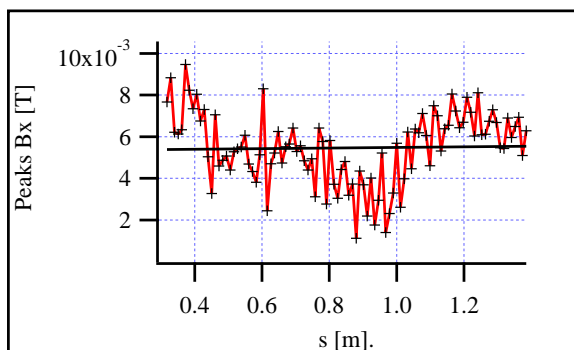
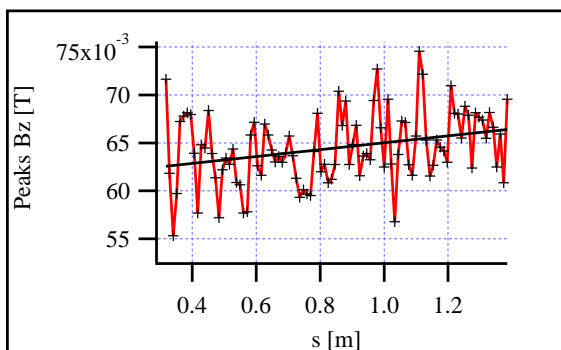
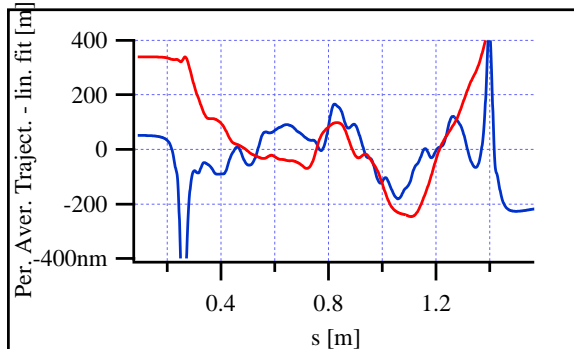
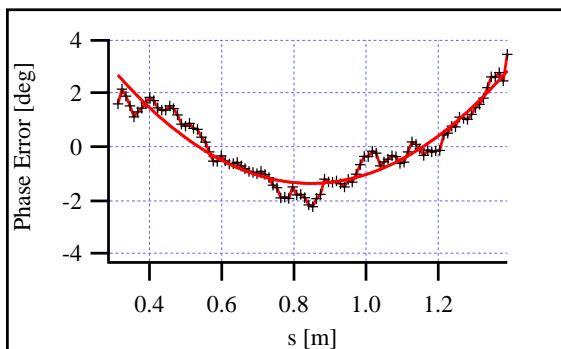
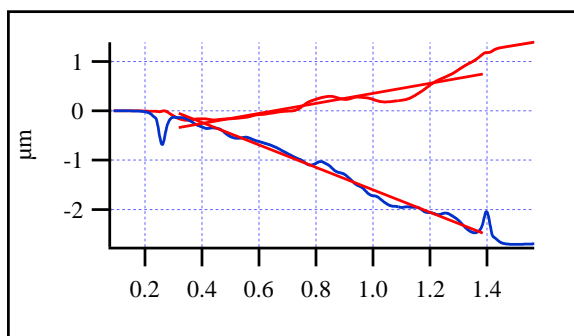
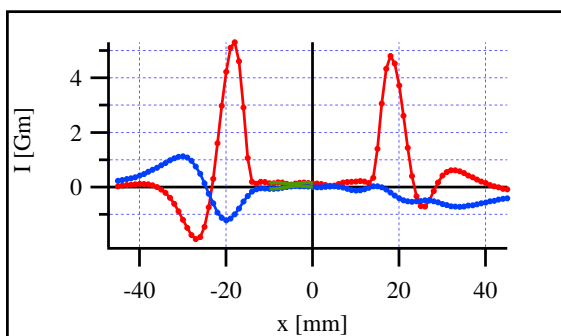
 $\Pi_z(\text{sBz}): -0.2823 \text{ G m}^2$

I4 : 1.1128 A

H Sextupole : 68.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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