

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz305,Bx305,Izmes34,Ixmes34

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 0 Peak Field Bx: 0.03558 T

RMS Phase Error : 1.61 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 8.6 %

Fund. En. (B2E) : $3462.0 \text{ eV} = 0.4 \text{ nm}$

Peak Field Bz: 0.21449 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.06 mm

Delta Bz/Bz : 2.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -4.161 G/m

Bz Taper : 28.073 G/m

Krms : 0.316

V Dipole : -10.1 G cm

Iz(coil) : -10.1 G cm

Pred. C.C. currents

V Quadrupole : 50.9 G

$$I_z(\text{BzC}): -10.0 \text{ Gcm} \quad I_z(\text{Bz}): -6.8 \text{ G cm}$$

I1 : -1.1430 A

V Sextupole : 49.6 G/cm

Ix(coil) : 27.0 G cm

I2 : -2.0085 A

$$I_x(B_xC) : 27.1 \text{ Gcm} \quad I_x(B_x) : 465.3 \text{ G cm}$$

H Dipole : 12.2 G cm

$$\Pi_X(sB_X) : 0.2699 \text{ G m}^2$$

I3 : 0.3646 A

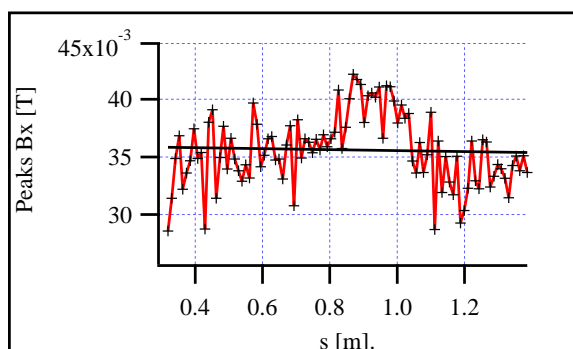
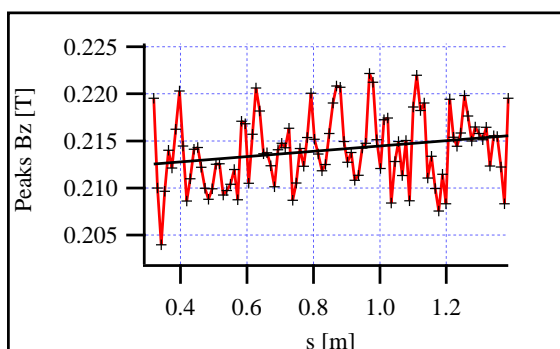
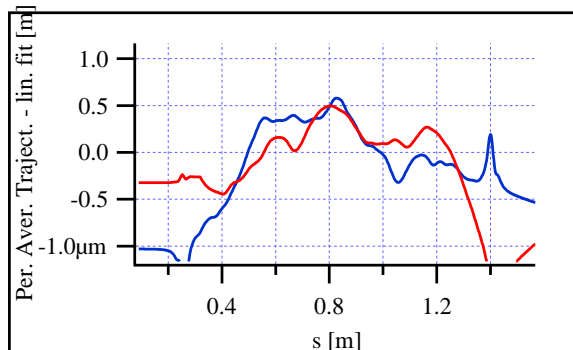
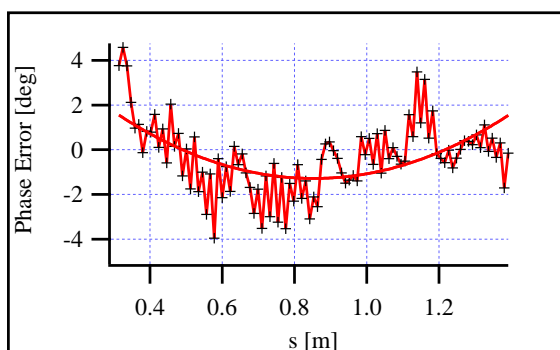
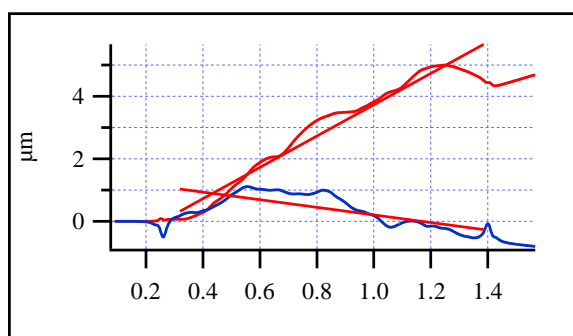
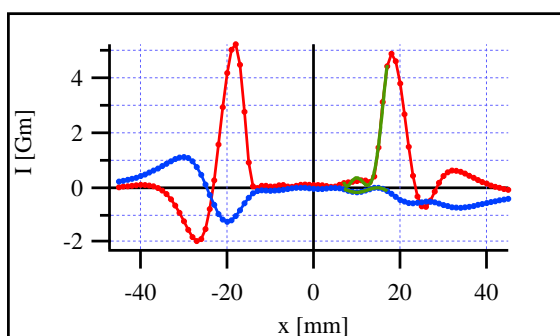
H Ouadrupole : -110.1 G

 $\Pi_z(\text{sBz}): -0.0063 \text{ G m}^2$

I4 : -0.4007 A

H Sextupole : 860.9 G/cm

BzTrj RMS dev. : 0.3 um



Kyma Srl

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