

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz235,Bx235,Izmes39,Ixmes39

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : 1 Peak Field Bx: 0.00555 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 14.6 %

Peak Field Bz: 0.24379 T

Undulator Period : 22.00+-0.06 mm

Delta Bz/Bz : 13.1 %

e-beam energy : 3 GeV

Bx Taper : 3.043 G/m

Krms : 0.354

RMS Phase Error : 7.04 deg

Fund. En. (B2E) : 3438.8 eV = 0.4 nm

Radiation wavelength (lin. fit): 0.4 nm

Peaks used : 104

Bz Taper : -2.470 G/m

V Dipole : -1.0 G cm

Iz(coil) : -1.1 G cm

Pred. C.C. currents

V Quadrupole : -12.6 G

$$I_z(\text{BzC}): -1.1 \text{ Gcm} \quad I_z(\text{Bz}): -6.1 \text{ G cm}$$

I1 : 1.4403 A

V Sextupole : 23.6 G/cm

Ix(coil) : 4.9 G cm

I2 : -1.3216 A

$$I_x(BxC) : 4.9 \text{ Gcm} \quad I_x(Bx) : 432.9 \text{ G cm}$$

H Dipole : 8.7 G cm

$$\Pi_X(sB_X) : -0.0709 \text{ G m}^2$$

I3 : -1.6423 A

H Quadrupole : 5.3 G

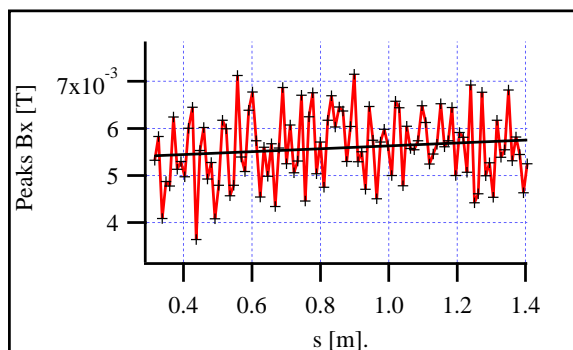
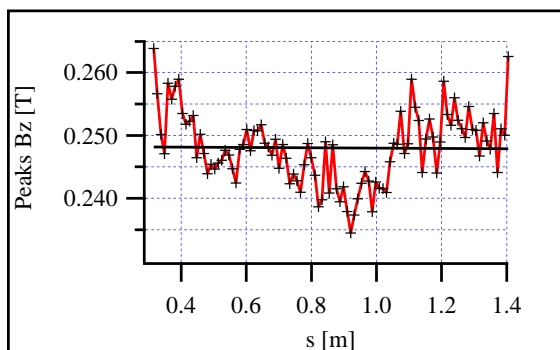
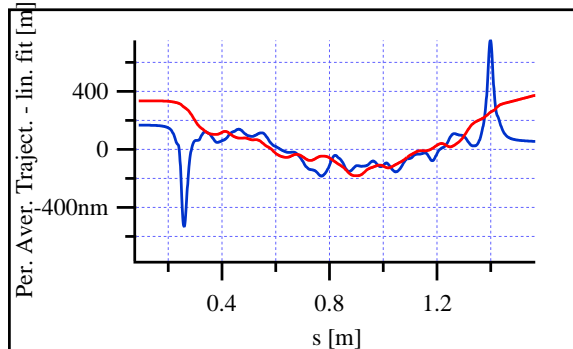
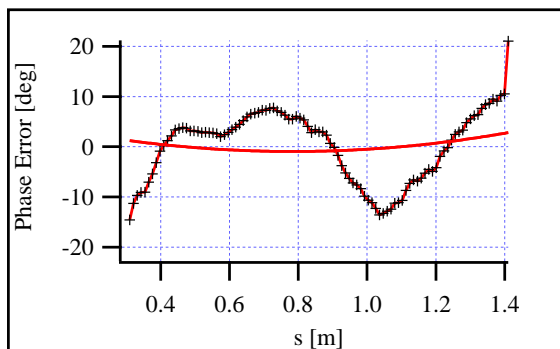
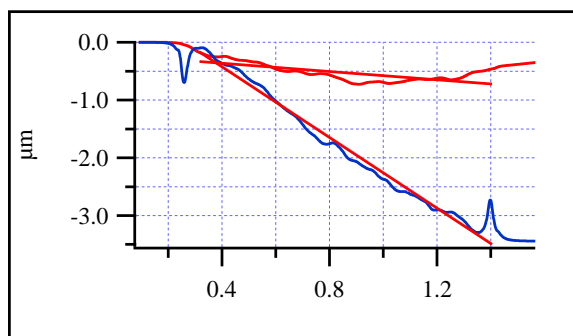
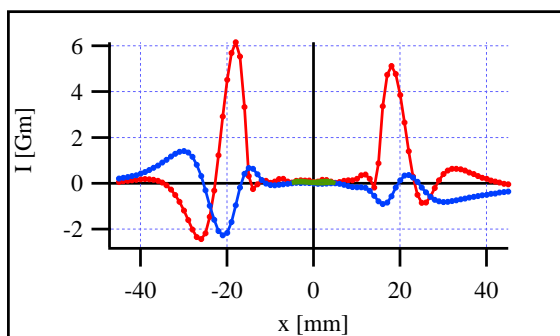
$$\Pi_z(sB_z): -0.3366 \text{ G m}^2$$

I4 : 0.9431 A

H Sextupole : 88.4 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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