

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz279,Bx279,Izmes31,Ixmes31

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 1 Peak Field Bx: 0.02884 T

RMS Phase Error : 4.27 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 8.8 %

Fund. En. (B2E) : 3099.0 eV = 0.4 nm

Peak Field Bz: 0.33010 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.05 mm Delta Bz/Bz : 10.5 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : -12.369 G/m

Bz Taper : -1.300 G/m

Krms : 0.481

V Dipole : -22.1 G cm

Iz(coil) : -20.3 G cm

Pred. C.C. currents

V Quadrupole : -80.3 G

$$I_z(\text{BzC}): -20.3 \text{ Gcm} \quad I_z(\text{Bz}): -14.9 \text{ G cm}$$

I1 : -1.5299 A

V Sextupole : -370.8 G/cm

$I_x(\text{coil}) : 46.2 \text{ G cm}$

I2 : -2.4374 A

$$I_x(B_xC) : 46.2 \text{ Gcm} \quad I_x(B_x) : 610.2 \text{ G cm}$$

H Dipole : 17.5 G cm

$$\Pi_X(sB_X) : 0.2162 \text{ G m}^2$$

I3 : 0.4561 A

H Quadrupole : -305.3 G

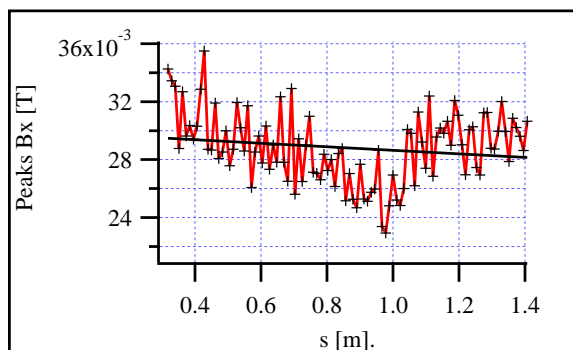
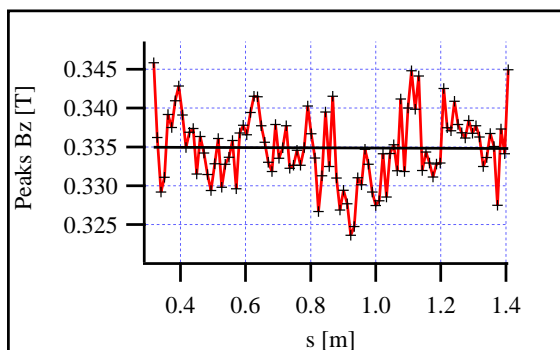
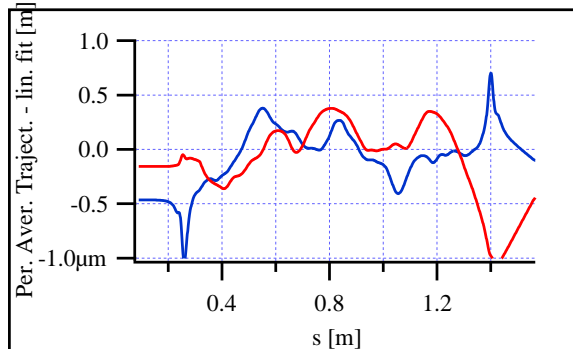
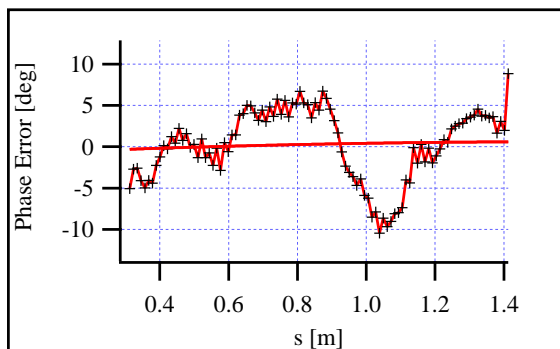
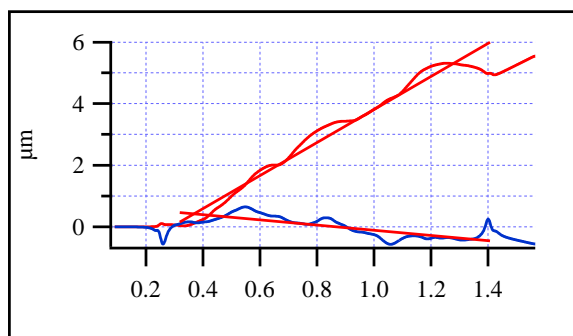
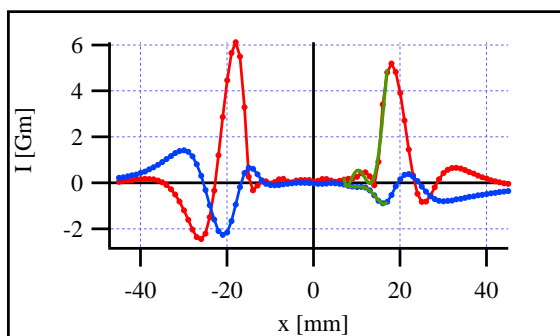
 $\mu_z(\text{sBz}): 0.0929 \text{ G m}^2$

I4 : -1.9280 A

H Sextupole : 454.1 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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