

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz311,Bx311,Izmes46,Ixmes46

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : 0 Peak Field Bx: 0.04120 T

RMS Phase Error : 3.12 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta B_x/B_x : 24.1 %

Fund. En. (B2E) : 3743.1 eV = 0.3 nm

Peak Field Bz: 0.07308 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 21.98+-0.25 mm Delta Bz/Bz : 15.8 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 8.040 G/m

Bz Taper : -64.640 G/m

Krms : 0.122

V Dipole : -9.8 G cm

Iz(coil) : -9.9 G cm

Pred. C.C. currents

V Quadrupole : 52.5 G

$$I_z(\text{BzC}): -9.8 \text{ Gcm} \quad I_z(\text{Bz}): -21.7 \text{ G cm}$$

I1 : -0.7207 A

V Sextupole : 52.2 G/cm

$I_x(\text{coil}) : 15.2 \text{ G cm}$

I2 : -1.6262 A

$$I_x(BxC) : 15.2 \text{ Gcm} \quad I_x(Bx) : -126.8 \text{ G cm}$$

H Dipole : 0.4 G cm

$$\Pi_X(sB_X) : 0.2511 \text{ G m}^2$$

I3 : 0.6226 A

H Quadrupole : -118.4 G

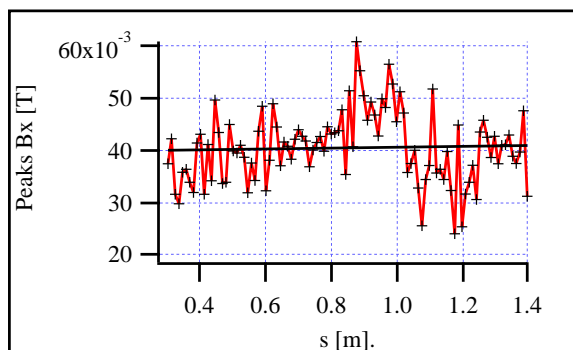
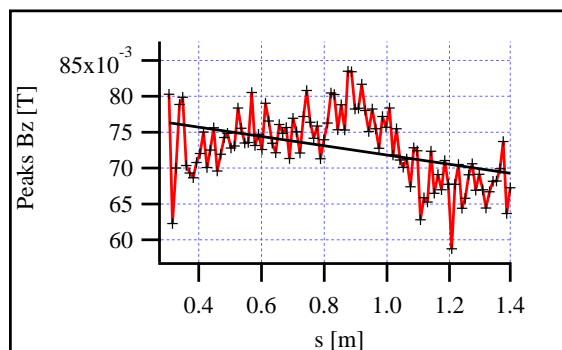
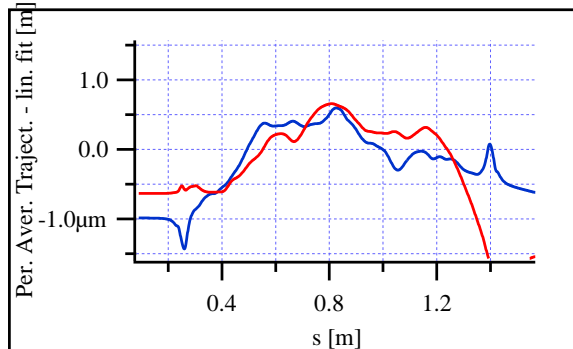
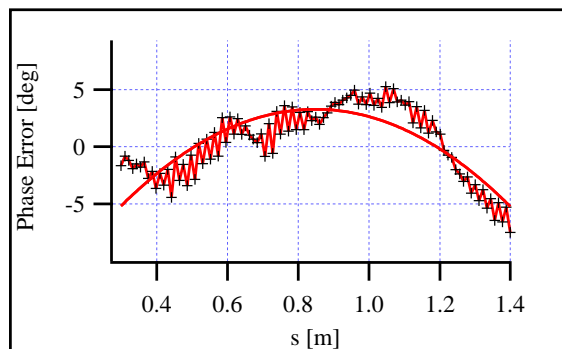
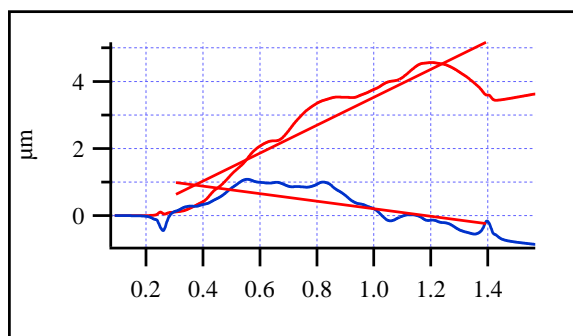
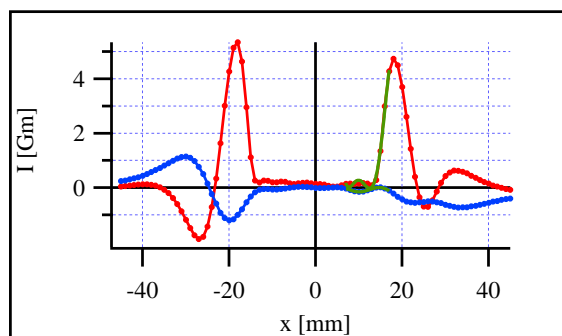
 $\Pi_z(\text{sBz}): -0.0133 \text{ G m}^2$

I4 : -0.0710 A

H Sextupole : 880.7 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.5 um



Kyma Srl

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