

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz327,Bx327,Izmes29,Ixmes29

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : -1 Peak Field Bx: 0.07966 T

RMS Phase Error : 6.22 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 3.8 %

Peak Field Bz: 0.37470 T

Fund. En. (B2E) : 2930.2 eV = 0.4 nm

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.01+-0.07 mm Delta Bz/Bz : 6.4 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 0.436 G/m

Bz Taper : -6.770 G/m

Krms : 0.557

V Dipole : 1.2 G cm

Iz(coil) : -0.9 G cm

Pred. C.C. currents

V Quadrupole : 203.9 G

$$I_z(\text{BzC}): -0.9 \text{ Gcm} \quad I_z(\text{Bz}): -22.2 \text{ G cm}$$

I1 : -1.6554 A

V Sextupole : 522.6 G/cm

$I_x(\text{coil}) : 21.4 \text{ G cm}$

I2 : -1.9060 A

$$I_x(B_xC) : 21.4 \text{ Gcm} \quad I_x(B_x) : 594.5 \text{ G cm}$$

H Dipole : -1.6 G cm

$$\Pi_X(sB_X) : 0.3983 \text{ G m}^2$$

I3 : 0.4671 A

H Quadrupole : -264.2 G

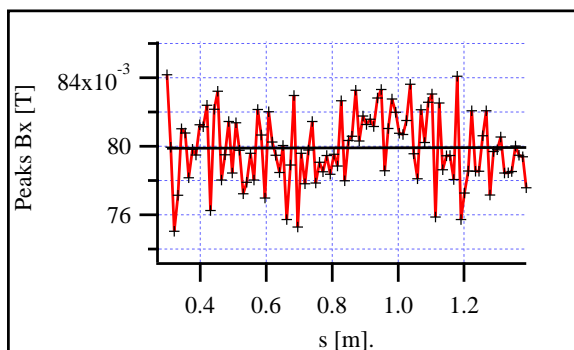
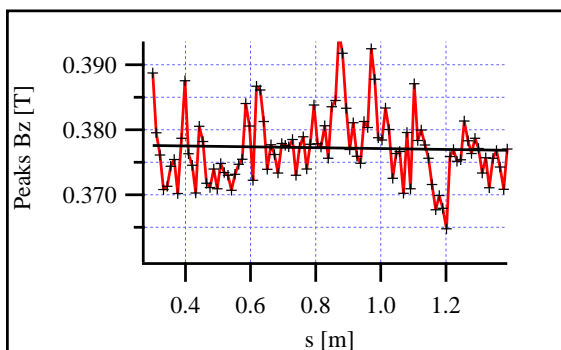
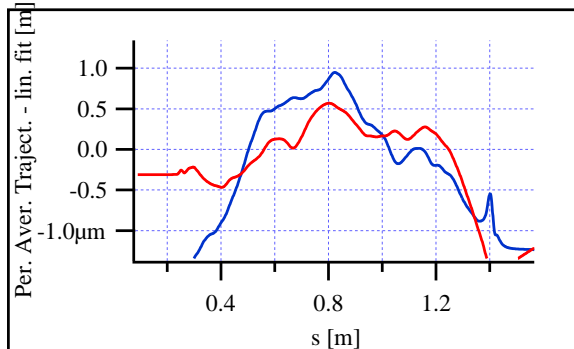
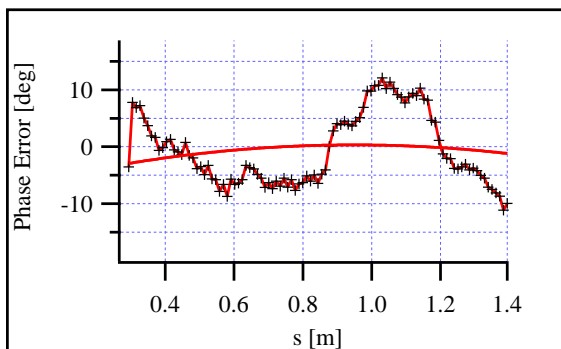
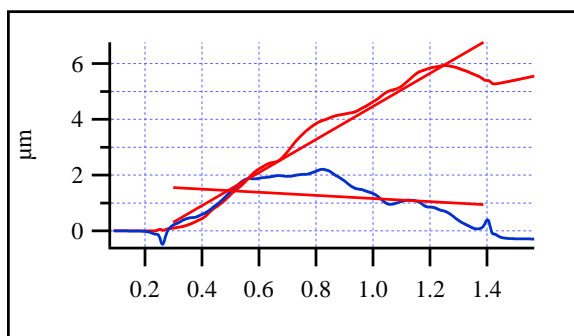
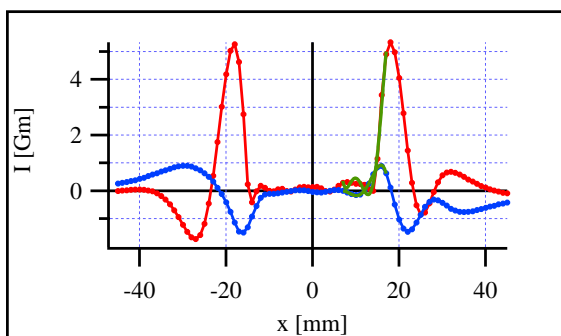
$$\Pi_z(sBz): -0.0222 \text{ G m}^2$$

I4 : 0.5688 A

H Sextupole : 905.2 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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