

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz397,Bx397,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.05020 T

RMS Phase Error : 6.64 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 4.3 %

Peak Field Bz: 0.43430 T

Fund. En. (B2E) : 2747.5 eV = 0.5 nm

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.7 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : -13.129 G/m

Bz Taper : -39.524 G/m

Krms : 0.635

V Dipole : 14.7 G cm

Iz(coil) : 11.7 G cm

Pred. C.C. currents

V Quadrupole : -220.4 G

$$I_z(\text{BzC}): 11.7 \text{ Gcm} \quad I_z(\text{Bz}): 37.1 \text{ G cm}$$

I1 : 0.8502 A

V Sextupole : 278.0 G/cm

Ix(coil) : 4.2 G cm

I2 : -0.2858 A

$$I_x(B_xC) : 4.2 \text{ Gcm} \quad I_x(B_x) : 660.9 \text{ G cm}$$

H Dipole : -19.4 G cm

$$\Pi_X(sB_X) : -0.1410 \text{ G m}^2$$

I3 : -2.0494 A

H Quadrupole : 307.5 G

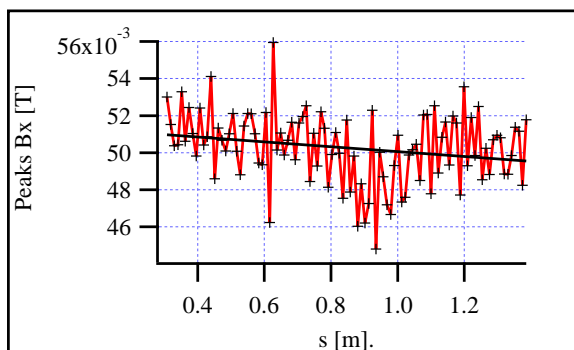
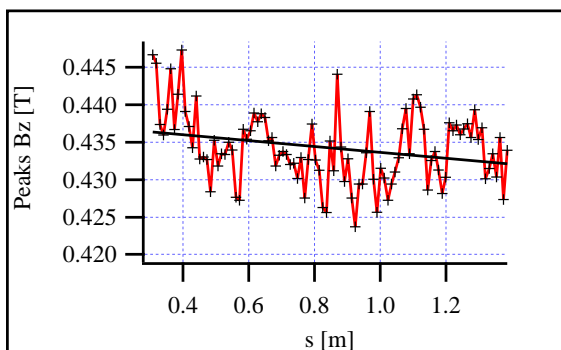
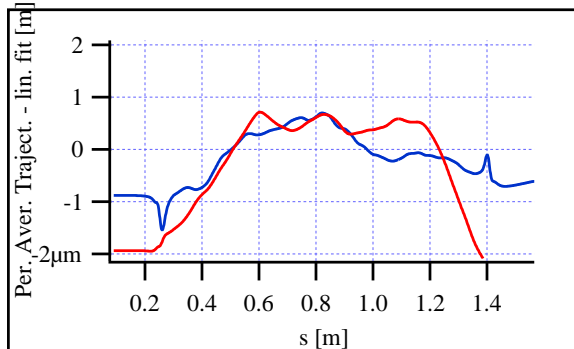
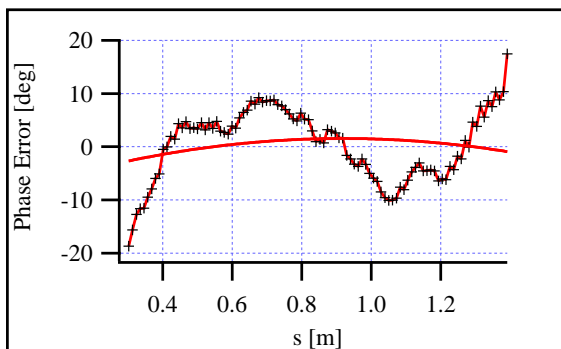
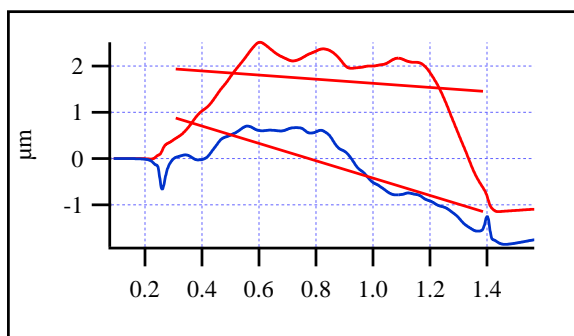
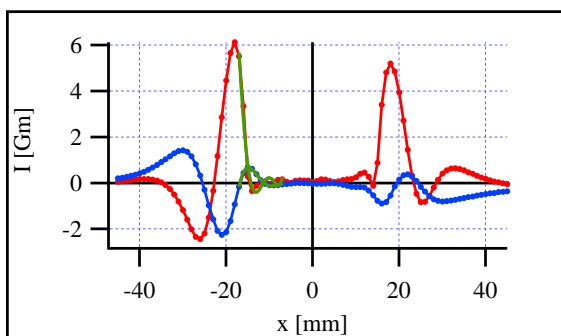
$$\Pi_z(sB_z): -0.2626 \text{ G m}^2$$

I4 : 0.9859 A

H Sextupole : 407.1 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



Kyma Srl

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