

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz381,Bx381,Izmes21,Ixmes21

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : -1 Peak Field Bx: 0.11885 T

RMS Phase Error : 8.72 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 2.1 %

Fund. En. (B2E) : 3116.4 eV = 0.4 nm

Peak Field Bz: 0.31173 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+/-0.07 mm Delta Bz/Bz : 2.6 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -9.814 G/m

Bz Taper : -16.817 G/m

Krms : 0.485

V Dipole : -18.1 G cm

Iz(coil) : -18.5 G cm

Pred. C.C. currents

V Quadrupole : -52.3 G

$$I_z(\text{BzC}): -18.5 \text{ Gcm} \quad I_z(\text{Bz}): -12.2 \text{ G cm}$$

I1 : 0.4128 A

V Sextupole : 198.7 G/cm

$I_x(\text{coil}) : -5.6 \text{ G cm}$

I2 : -2.3164 A

$$I_x(B_xC) : -5.6 \text{ Gcm} \quad I_x(B_x) : 157.0 \text{ G cm}$$

H Dipole : 0.2 G cm

$$\Pi_X(sB_X) : 0.3871 \text{ G m}^2$$

I3 : 1.4183 A

H Quadrupole : -154.2 G

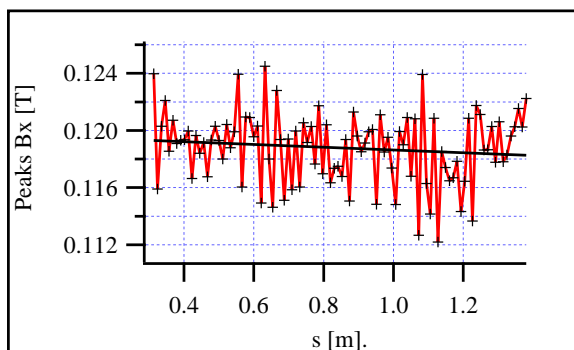
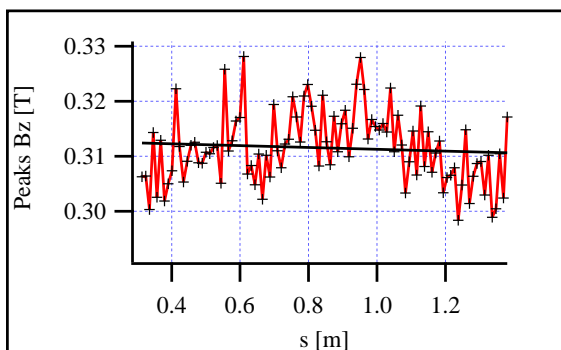
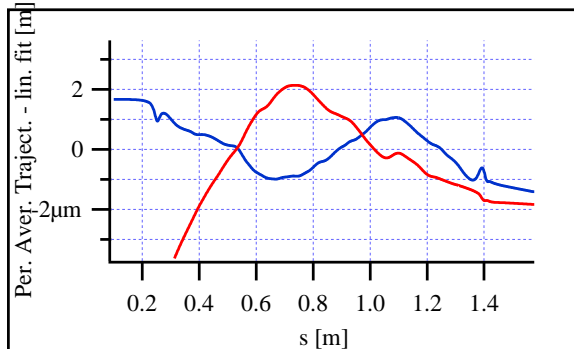
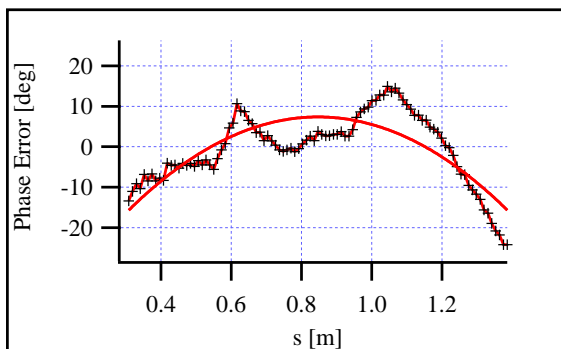
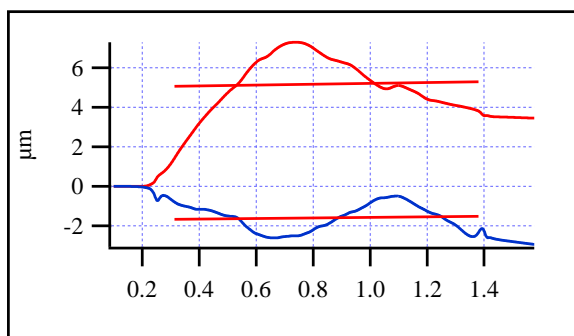
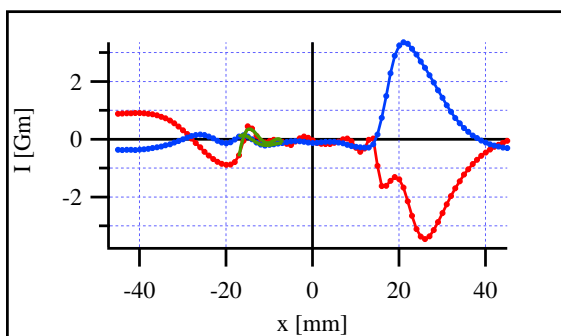
IIz(sBz): -0.1546 G m²

I4 : 1.1460 A

H Sextupole : 320.4 G/cm

BzTrj RMS dev. : 0.7 um

BxTrj RMS dev. : 1.4 um



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