

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz151,Bx151,Izmes31,Ixmes31

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : 0 Peak Field Bx: 0.01309 T

RMS Phase Error : 3.19 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 9.1 %

Fund. En. (B2E) : 2004.9 eV = 0.6 nm

Peak Field Bz: 0.66296 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm

Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -3.434 G/m

Bz Taper : -5.668 G/m

Krms : 0.963

V Dipole : -13.5 G cm

Iz(coil) : -13.7 G cm

Pred. C.C. currents

V Quadrupole : -16.1 G

$$I_z(\text{BzC}): -13.7 \text{ Gcm} \quad I_z(\text{Bz}): 71.0 \text{ G cm}$$

I1 : -0.3184 A

V Sextupole : -2.6 G/cm

$I_x(\text{coil}) : -8.9 \text{ G cm}$

I2 : -1.4337 A

$$I_x(BxC) : -8.9 \text{ Gcm} \quad I_x(Bx) : 551.4 \text{ G cm}$$

H Dipole : -8.6 G cm

$$\Pi_X(sB_X) : 0.3947 \text{ G m}^2$$

I3 : 1.9534 A

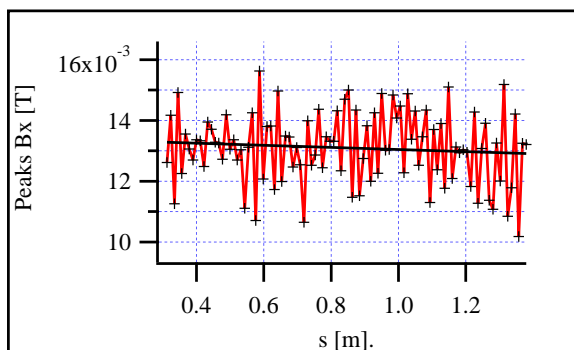
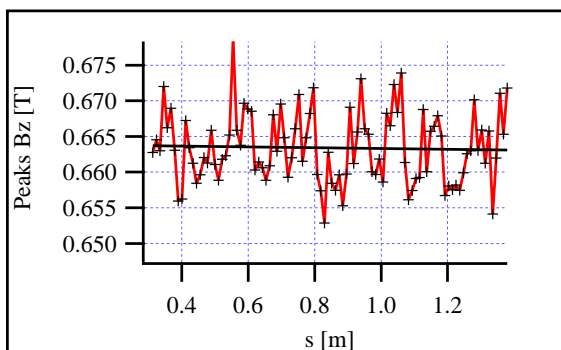
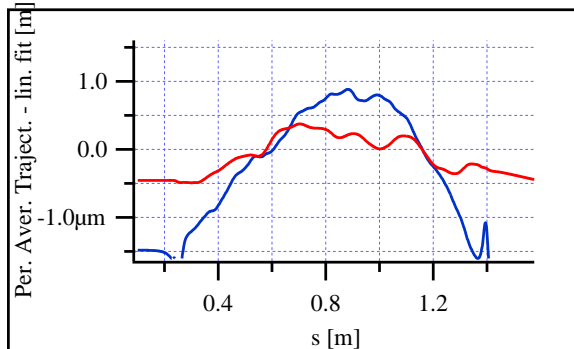
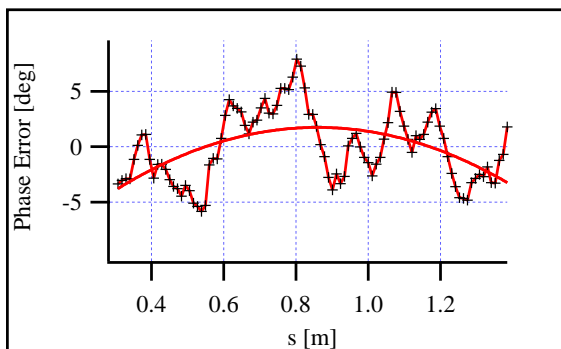
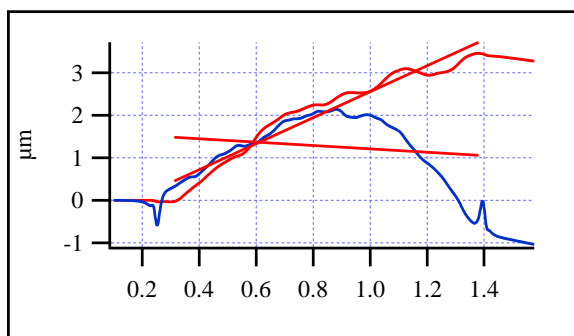
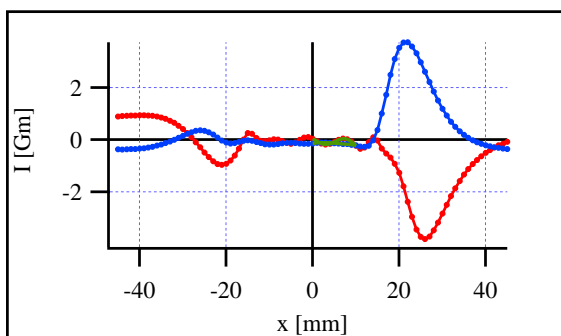
H Quadrupole : 80.9 G

 $\mu_z(sBz): -0.0008 \text{ G m}^2$

I4 : 0.8505 A

H Sextupole : 38.1 G/cm

BzTrj RMS dev. : 0.7 um



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