

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz405,Bx405,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 0 Peak Field Bx: 0.08486 T

RMS Phase Error : 5.38 deg

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

Fund. En. (B2E) : 3673.2 eV = 0.3 nm

Peak Field Bz: 0.11207 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.01+-0.16 mm Delta Bz/Bz : 8.0 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : 0.974 G/m

Bz Taper : 7.744 G/m

Krms : 0.204

V Dipole : -13.0 G cm

Iz(coil) : -12.8 G cm

Pred. C.C. currents

V Quadrupole : -35.6 G

$$I_z(\text{BzC}): -12.9 \text{ Gcm} \quad I_z(\text{Bz}): 12.1 \text{ G cm}$$

I1 : 0.8146 A

V Sextupole : 40.9 G/cm

Ix(coil) : -3.5 G cm

I2 : -2.5976 A

$$I_x(B_xC) : -3.5 \text{ Gcm} \quad I_x(B_x) : 157.1 \text{ G cm}$$

H Dipole : 0.4 G cm

$$\Pi_X(sB_X) : 0.3447 \text{ G m}^2$$

I3 : 0.4338 A

H Quadrupole : -78.7 G

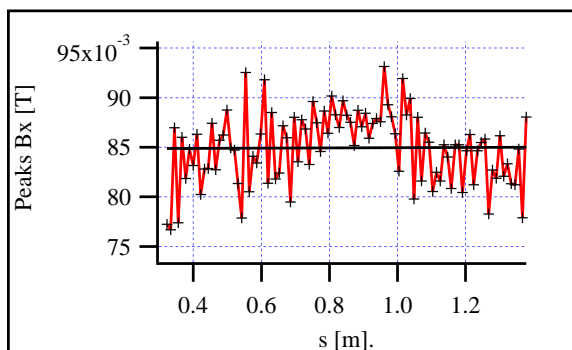
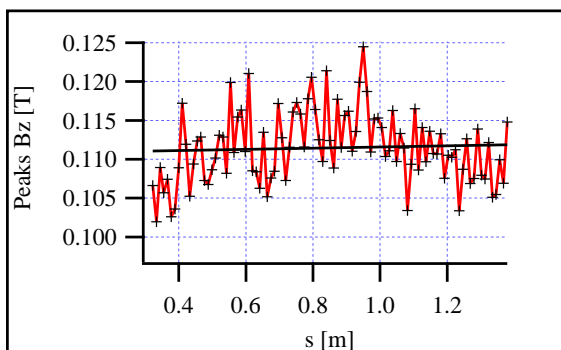
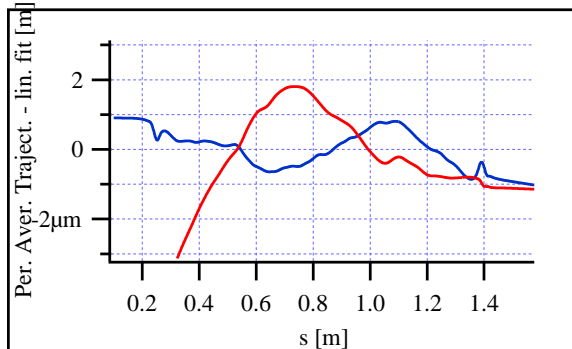
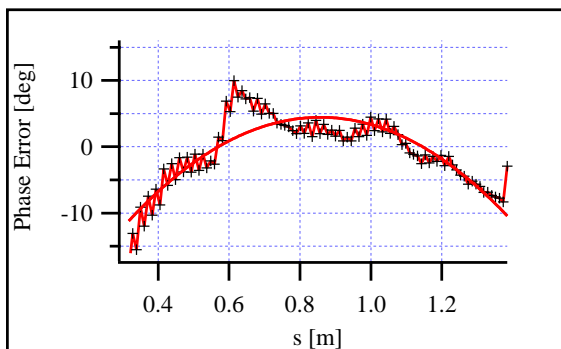
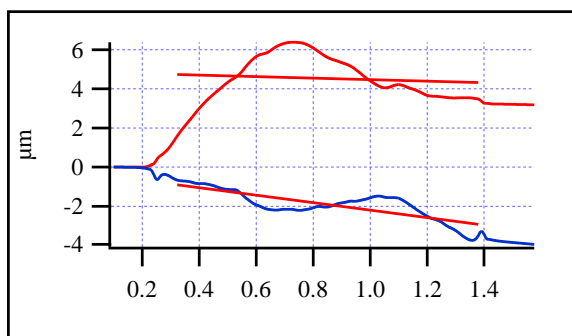
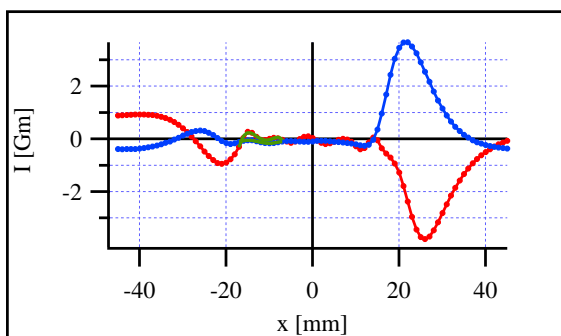
$\Pi_z(sB_z)$: -0.2984 G m²

I4 : 1.7616 A

H Sextupole : 252.5 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 1.2 um



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