

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz193,Bx193,Izmes25,Ixmes25

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 0 Peak Field Bx: 0.00562 T

RMS Phase Error : 3.00 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 17.2 %

Fund. En. (B2E) : 1885.8 eV = 0.7 nm

Peak Field Bz: 0.70743 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.02 mm

Delta Bz/Bz : 0.8 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : 1.357 G/m

Bz Taper : -2.282 G/m

Krms : 1.028

V Dipole : -16.0 G cm

Iz(coil) : -15.9 G cm

Pred. C.C. currents

V Quadrupole : -1.8 G

$$I_z(\text{BzC}): -15.9 \text{ Gcm} \quad I_z(\text{Bz}): 76.9 \text{ G cm}$$

I1 : 1.5182 A

V Sextupole : -52.8 G/cm

$I_x(\text{coil}) : -18.4 \text{ G cm}$

I2 : -0.5857 A

$$I_x(BxC) : -18.4 \text{ Gcm} \quad I_x(Bx) : -156.3 \text{ G cm}$$

H Dipole : -16.1 G cm

$$\Pi_X(sB_X) : 0.0261 \text{ G m}^2$$

I3 : 0.8579 A

H Quadrupole : 8.6 G

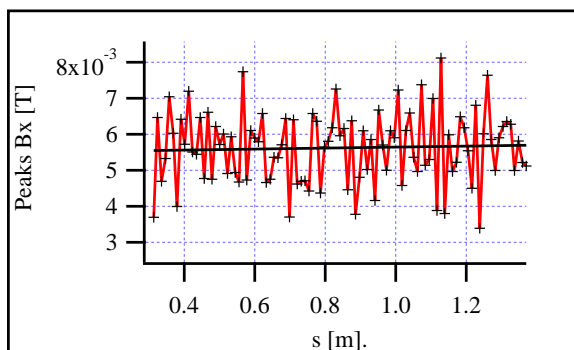
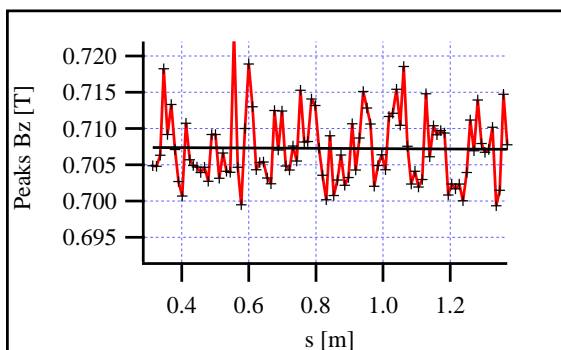
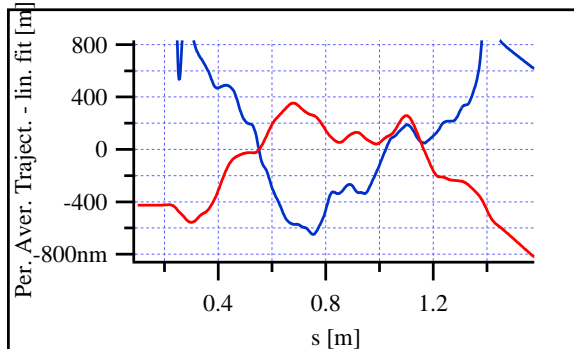
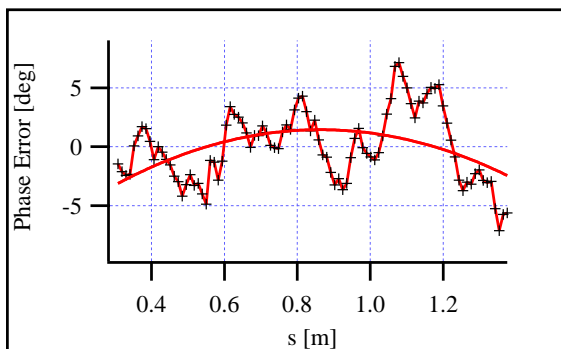
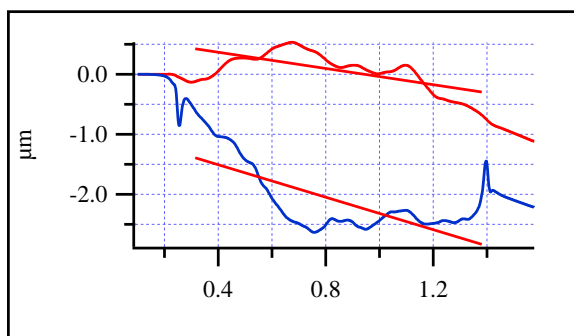
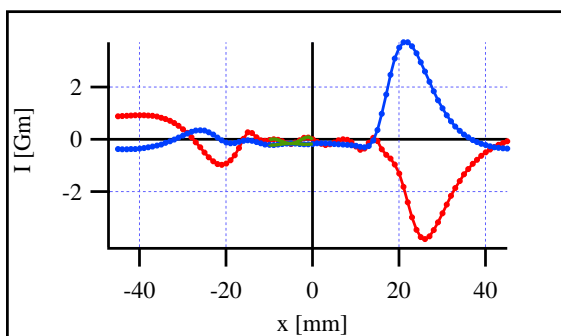
IIz(sBz): -0.1021 G m²

I4 : 0.3763 A

H Sextupole : 265.2 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.2 um



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