

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz335,Bx335,Izmes47,Ixmes47

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : 0 Peak Field Bx: 0.10557 T

RMS Phase Error : 16.88 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 2.4 %

Fund. En. (B2E) : 3661.0 eV = 0.3 nm

Peak Field Bz: 0.09427 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.00+-0.18 mm Delta Bz/Bz : 12.7 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 3.284 G/m

Bz Taper : -23.156 G/m

Krms : 0.206

V Dipole : -28.1 G cm

Iz(coil) : -27.0 G cm

Pred. C.C. currents

V Quadrupole : -0.0 G

$$I_z(\text{BzC}): -27.0 \text{ Gcm} \quad I_z(\text{Bz}): -8.4 \text{ G cm}$$

I1 : -0.5985 A

V Sextupole : 411.0 G/cm

Ix(coil) : -41.1 G cm

I2 : -3.6831 A

$$I_x(BxC) : -41.1 \text{ Gcm} \quad I_x(Bx) : -54.5 \text{ G cm}$$

H Dipole : -33.8 G cm

$$\Pi_X(sB_X) : 1.1612 \text{ G m}^2$$

I3 : 5.2065 A

H Quadrupole : 147.5 G

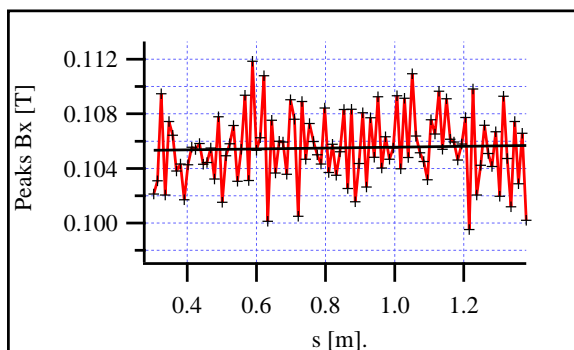
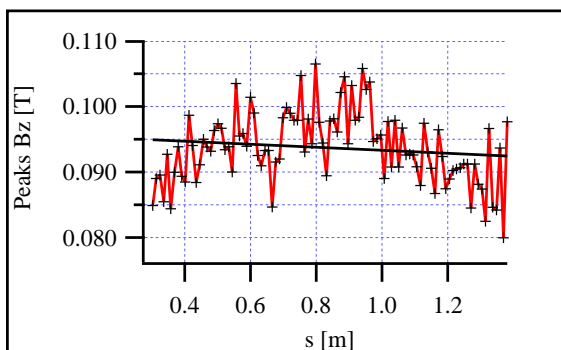
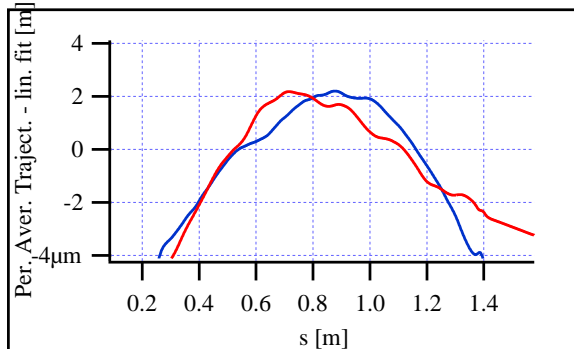
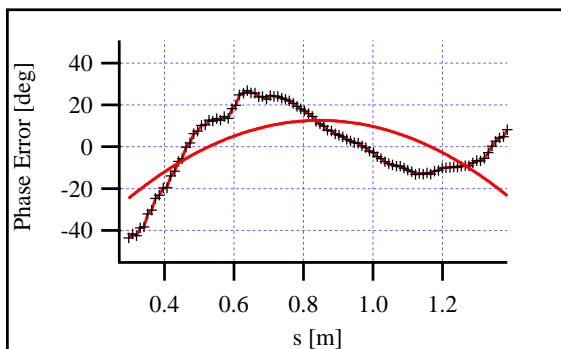
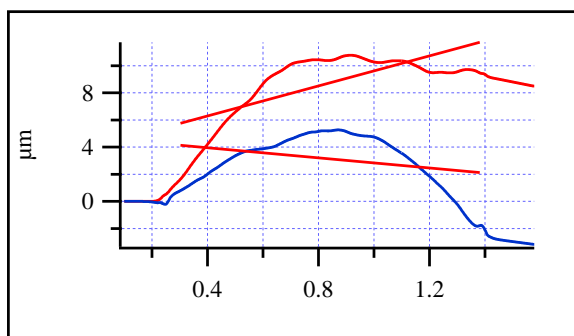
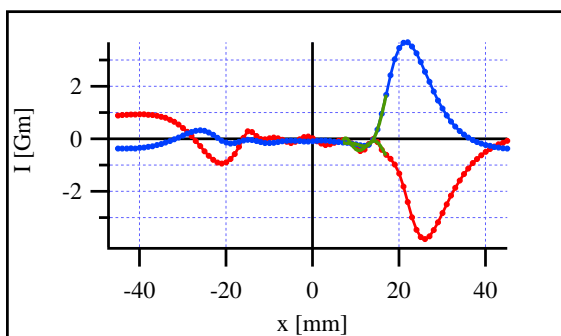
$\Pi_z(\text{sBz}): -0.1129 \text{ G m}^2$

I4 : 3.9161 A

H Sextupole : 286.4 G/cm

BzTrj RMS dev. : 1.8 μm

BxTrj RMS dev. : 1.6 um



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