

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz401,Bx401,Izmes41,Ixmes41

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 0 Peak Field Bx: 0.03982 T

RMS Phase Error : 5.14 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 6.7 %

Fund. En. (B2E) : 3308.0 eV = 0.4 nm

Peak Field Bz: 0.26438 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.05 mm Delta Bz/Bz : 1.8 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : 5.438 G/m

Bz Taper : 10.030 G/m

Krms : 0.389

V Dipole : -11.9 G cm

Iz(coil) : -11.6 G cm

Pred. C.C. currents

V Quadrupole : -37.4 G

$$I_z(\text{BzC}): -11.6 \text{ Gcm} \quad I_z(\text{Bz}): 22.6 \text{ G cm}$$

I1 : 1.1436 A

V Sextupole : 41.7 G/cm

Ix(coil) : -9.4 G cm

I2 : -2.4078 A

$$I_x(B \times C) : -9.4 \text{ Gcm} \quad I_x(B \times) : 485.2 \text{ G cm}$$

H Dipole : -5.3 G cm

$$\Pi_X(sB_X) : 0.3146 \text{ G m}^2$$

I3 : 0.3497 A

H Quadrupole : -82.1 G

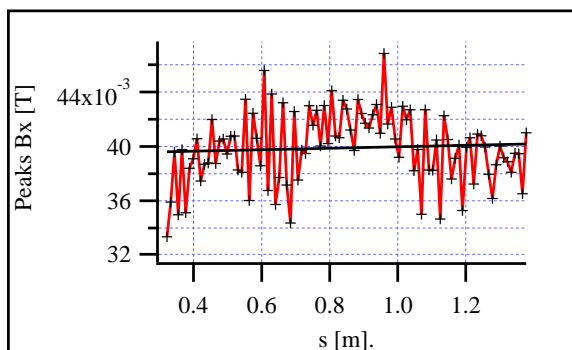
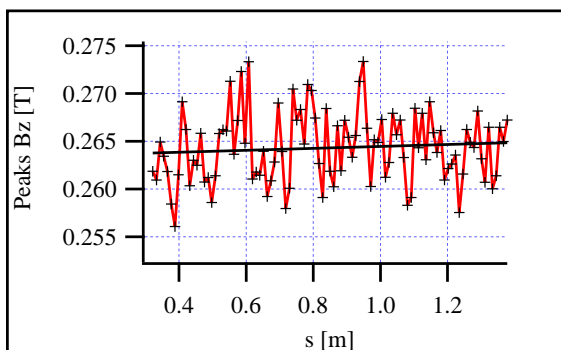
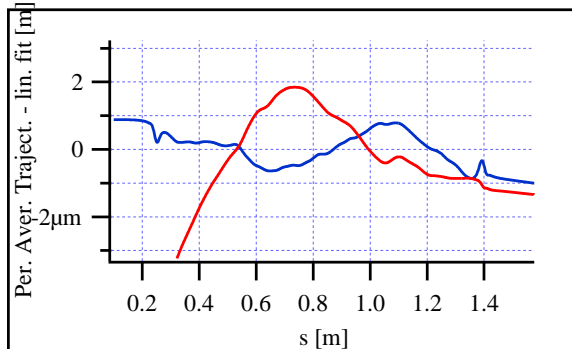
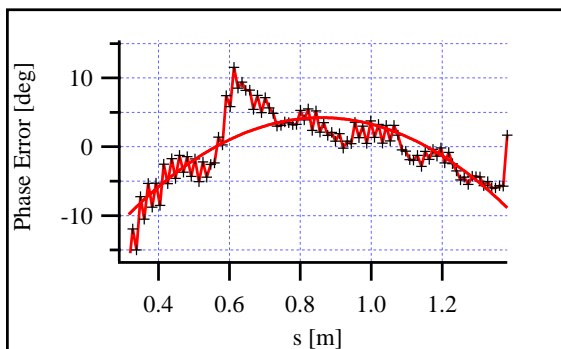
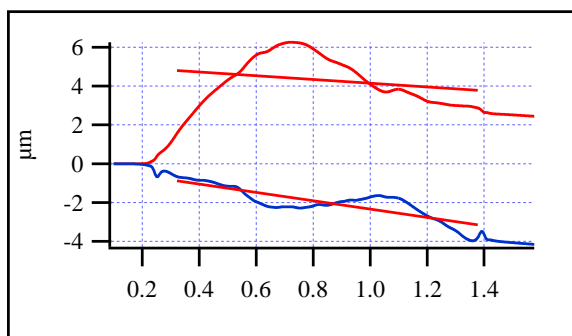
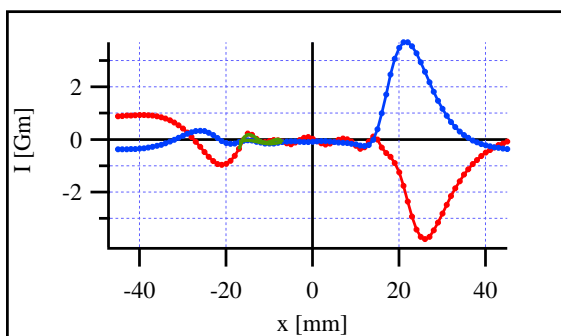
$\Pi_z(sB_z)$: -0.3285 G m²

I4 : 2.0170 A

H Sextupole : 258.7 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 1.2 um



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