

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz393,Bx393,Izmes33,Ixmes33

Gap [mm] : 200

Phase [mm] : 4    Hall Z [mm] : 0    Peak Field Bx: 0.02524 T

RMS Phase Error : 5.17 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 8.7 %

Fund. En. (B2E) : 2416.9 eV = 0.5 nm

Peak Field Bz: 0.53050 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -9.528 G/m

Bz Taper : -18.572 G/m

Krms : 0.772

V Dipole : -14.9 G cm

Iz(coil) : -14.8 G cm

Pred. C.C. currents

V Quadrupole : -45.5 G

$$I_z(\text{BzC}): -14.8 \text{ Gcm} \quad I_z(\text{Bz}): 26.2 \text{ G cm}$$

I1 : 1.3212 A

V Sextupole : 37.9 G/cm

Ix(coil) : -6.2 G cm

I2 : -2.6037 A

$$I_x(B \times C) : -6.2 \text{ Gcm} \quad I_x(B \times) : 589.9 \text{ G cm}$$

H Dipole : -2.5 G cm

$$\Pi_X(sB_X) : 0.2854 \text{ G m}^2$$

I3 : 0.2411 A

H Quadrupole : -79.1 G

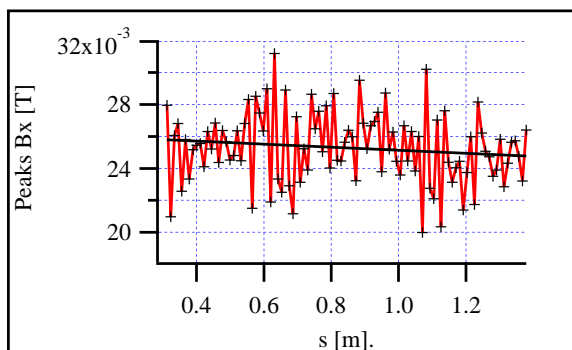
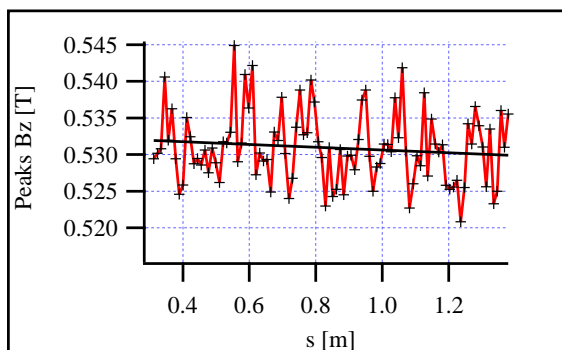
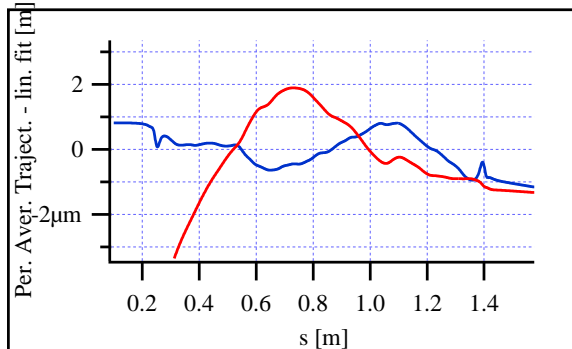
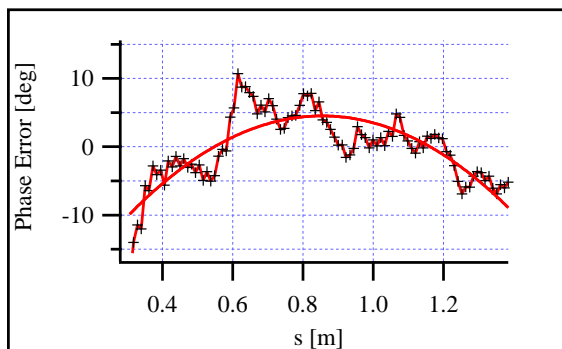
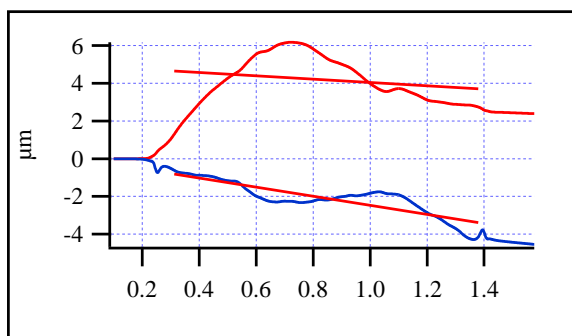
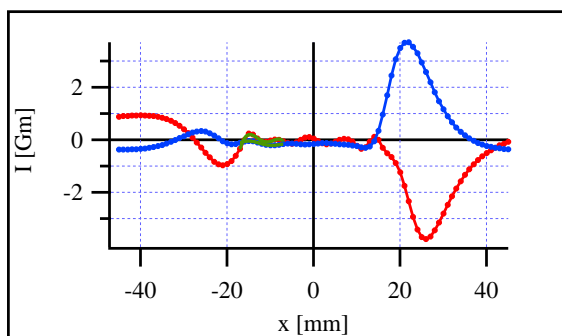
$\Pi_z(sB_z)$ : -0.3433 G m<sup>2</sup>

I4 : 1.7709 A

H Sextupole : 252.9 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 1.2 um



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