

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz423,Bx423,Izmes63,Ixmes63

Gap [mm] : 200

Phase [mm] : 7    Hall Z [mm] : 1    Peak Field Bx: 0.02075 T

RMS Phase Error : 5.60 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 12.0 %

Fund. En. (B2E) : 3054.2 eV = 0.4 nm

Peak Field Bz: 0.34164 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+/-0.05 mm Delta Bz/Bz : 1.5 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : 0.299 G/m

Bz Taper : -3.474 G/m

Krms : 0.497

V Dipole : -9.5 G cm

Iz(coil) : -9.0 G cm

Pred. C.C. currents

V Quadrupole : -39.2 G

$$I_z(\text{BzC}): -9.0 \text{ Gcm} \quad I_z(\text{Bz}): 44.2 \text{ G cm}$$

I1 : 2.0110 A

V Sextupole : -83.5 G/cm

$I_x(\text{coil}) : -23.7 \text{ G cm}$

I2 : -2.0642 A

$$I_x(B_xC) : -23.7 \text{ Gcm} \quad I_x(B_x) : 586.7 \text{ G cm}$$

H Dipole : -19.9 G cm

$$\Pi_X(sB_X) : 0.2512 \text{ G m}^2$$

I3 : 0.1172 A

H Quadrupole : -35.3 G

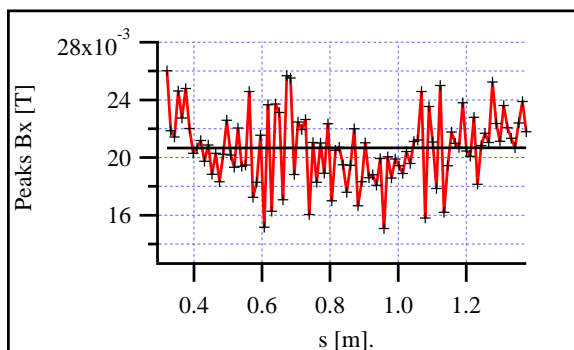
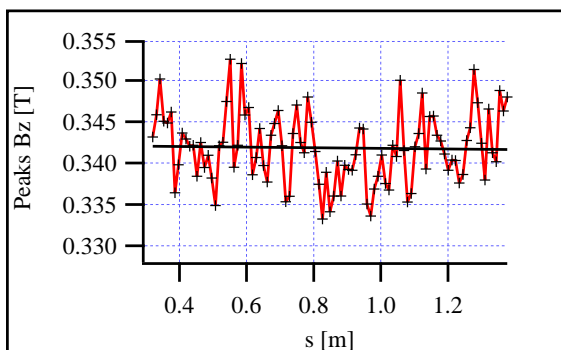
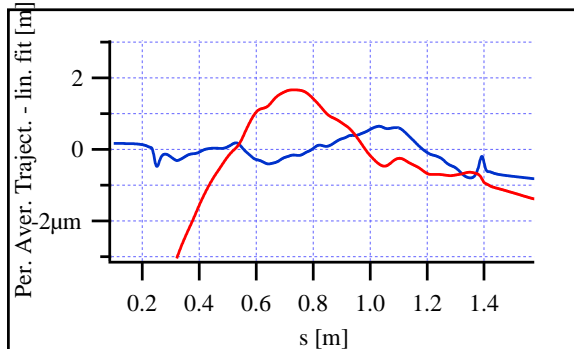
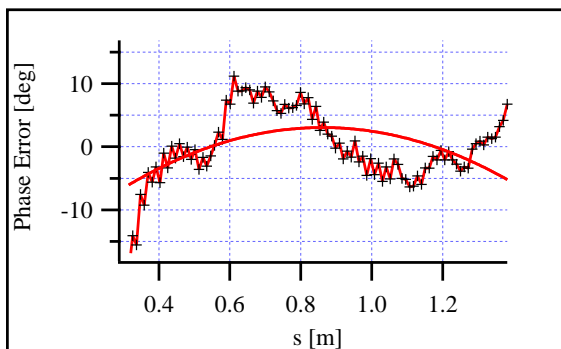
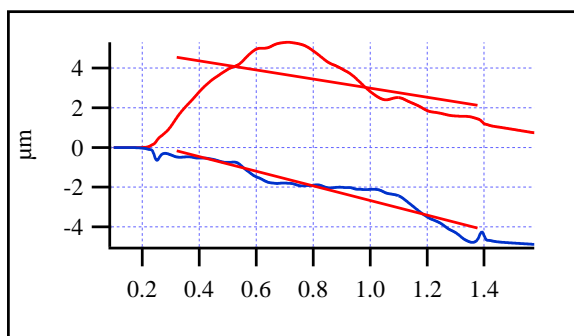
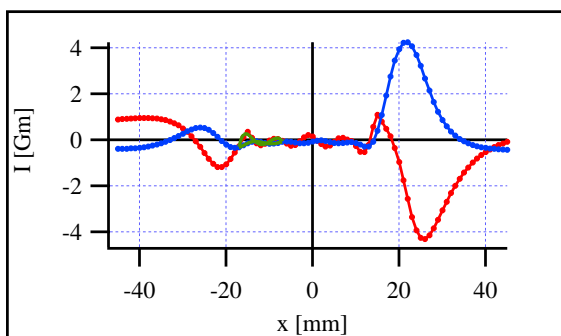
$\Pi_z(\text{sBz}): -0.4210 \text{ G m}^2$

I4 : 2.7296 A

H Sextupole : 579.6 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 1.1 um



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