

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz233,Bx233,Izmes65,Ixmes65

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 1 Peak Field Bx: 0.01522 T

RMS Phase Error : 3.46 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 6.2 %

Fund. En. (B2E) : 3210.6 eV = 0.4 nm

Peak Field Bz: 0.31344 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.05 mm

Delta Bz/Bz : 1.4 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : -2.106 G/m

Bz Taper : 3.378 G/m

Krms : 0.456

V Dipole : -6.6 G cm

Iz(coil) : -6.3 G cm

Pred. C.C. currents

V Quadrupole : -24.6 G

$$I_z(\text{BzC}): -6.3 \text{ Gcm} \quad I_z(\text{Bz}) : 47.9 \text{ G cm}$$

I1 : 1.2642 A

V Sextupole : -93.6 G/cm

$I_x(\text{coil}) : -25.4 \text{ G cm}$

I2 : -0.2143 A

$$I_x(BxC) : -25.4 \text{ Gcm} \quad I_x(Bx) : 684.5 \text{ G cm}$$

H Dipole : -22.9 G cm

$$\Pi_X(sB_X) : 0.0777 \text{ G m}^2$$

I3 : 0.7478 A

H Quadrupole : -26.4 G

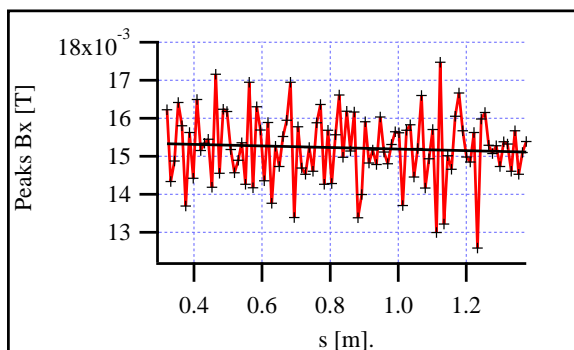
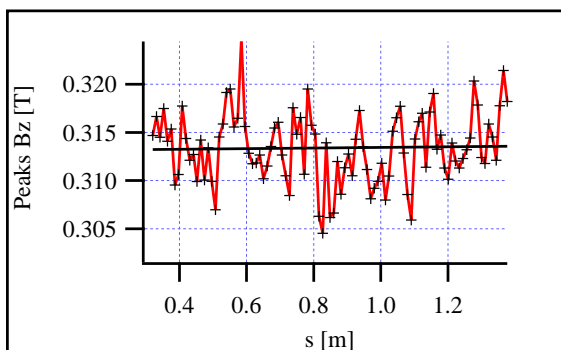
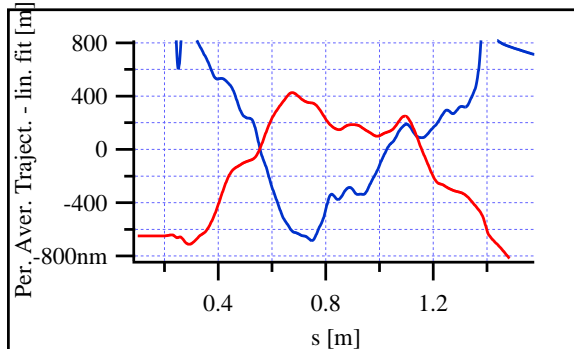
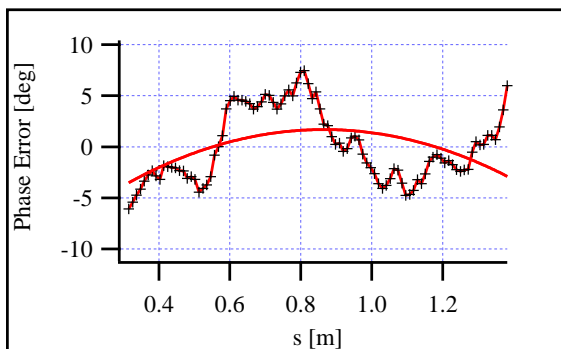
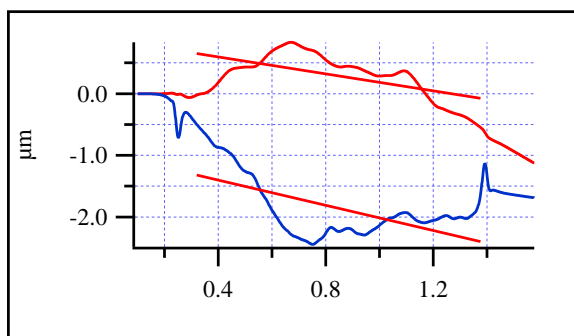
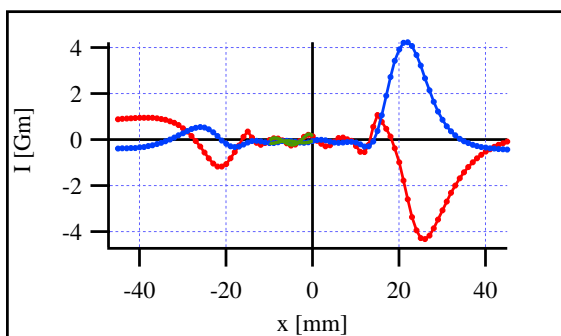
$$\Pi_z(sBz): -0.1215 \text{ G m}^2$$

I4 : 1.1989 A

H Sextupole : 462.5 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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