

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz327,Bx327,Izmes39,Ixmes39

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 0 Peak Field Bx: 0.04319 T

RMS Phase Error : 14.81 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 6.3 %

Fund. En. (B2E) : 2969.2 eV = 0.4 nm

Peak Field Bz: 0.36040 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.04 mm

Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -4.798 G/m

Bz Taper : 21.179 G/m

V Dipole : -27.1 G cm

Iz(coil) : -25.8 G cm

Pred. C.C. currents

V Quadrupole : -1.0 G

$$I_z(\text{BzC}): -25.8 \text{ Gcm} \quad I_z(\text{Bz}): 20.4 \text{ G cm}$$

I1 : -0.9816 A

V Sextupole : 419.0 G/cm

$I_x(\text{coil}) : -27.2 \text{ G cm}$

I2 : -4.3686 A

$$I_x(BxC) : -27.2 \text{ Gcm} \quad I_x(Bx) : 590.6 \text{ G cm}$$

H Dipole : -20.1 G cm

$$\Pi_X(sB_X) : 1.2047 \text{ G m}^2$$

I3 : 4.6755 A

H Quadrupole : 153.0 G

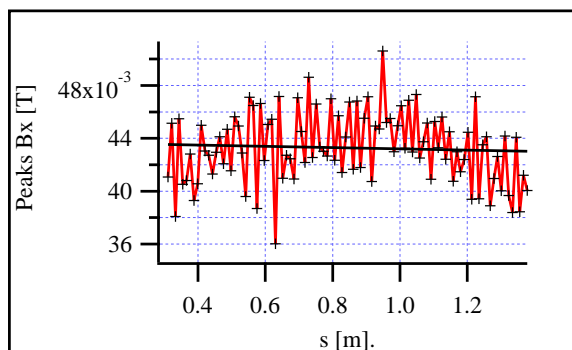
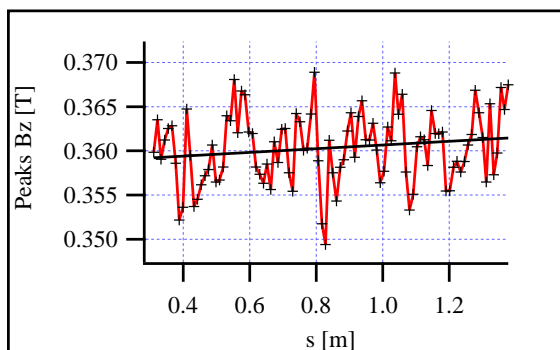
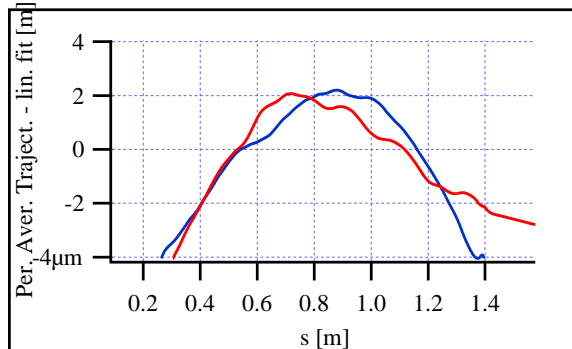
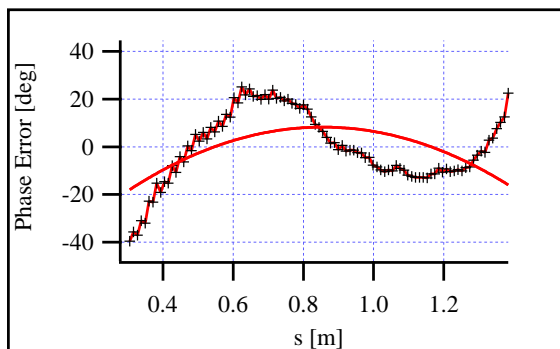
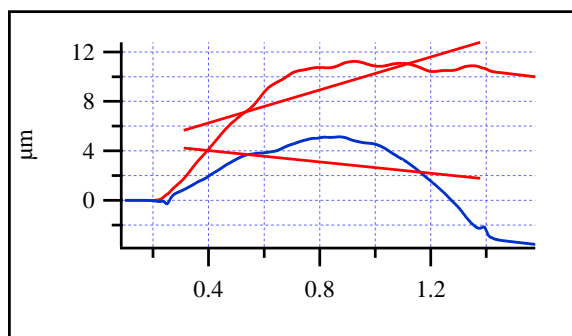
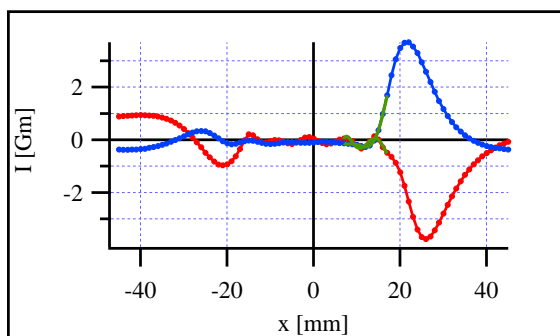
$\Pi_z(\text{sBz}): -0.1631 \text{ G m}^2$

I4 : 3.8803 A

H Sextupole : 270.0 G/cm

BzTrj RMS dev. : 1.8 um

BxTrj RMS dev. : 1.6 um



Kyma Srl

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