

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz385,Bx385,Izmes25,Ixmes25

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 0 Peak Field Bx: 0.02317 T

RMS Phase Error : 3.65 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 9.9 %

Fund. En. (B2E) : 2116.1 eV = 0.6 nm

Peak Field Bz: 0.62889 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 0.9 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : -18.985 G/m

Bz Taper : 7.815 G/m

Krms : 0.914

V Dipole : -15.4 G cm

Iz(coil) : -15.1 G cm

Pred. C.C. currents

V Quadrupole : -48.5 G

$$I_z(\text{BzC}): -15.1 \text{ Gcm} \quad I_z(\text{Bz}): 33.9 \text{ G cm}$$

I1 : 0.9805 A

V Sextupole : 37.2 G/cm

$I_x(\text{coil}) : -4.0 \text{ G cm}$

I2 : -2.4029 A

$$I_x(B \times C) : -4.0 \text{ Gcm} \quad I_x(B \times) : -38.4 \text{ G cm}$$

H Dipole : -0.1 G cm

$$\Pi_X(sB_X) : 0.2872 \text{ G m}^2$$

I3 : 0.4796 A

H Quadrupole : -89.5 G

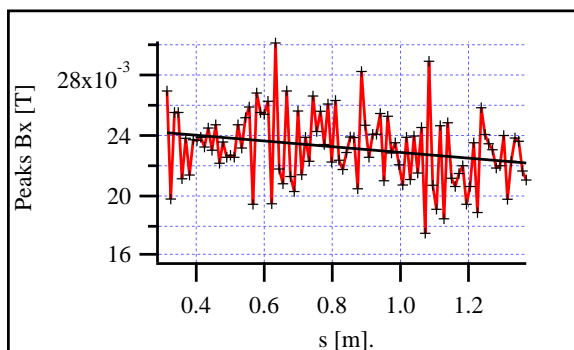
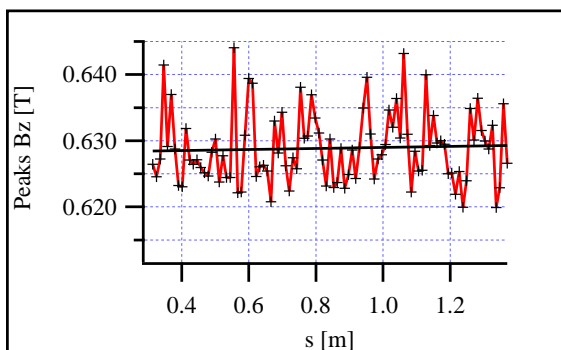
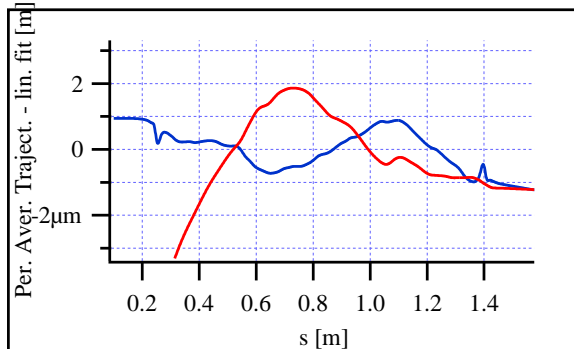
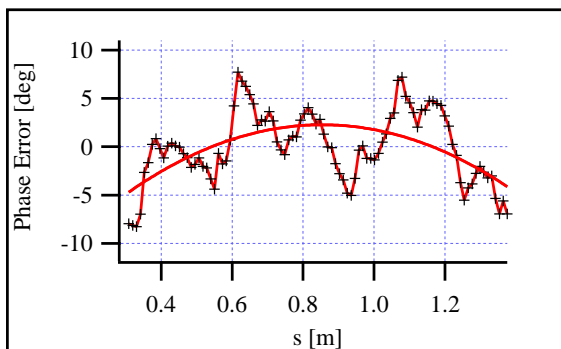
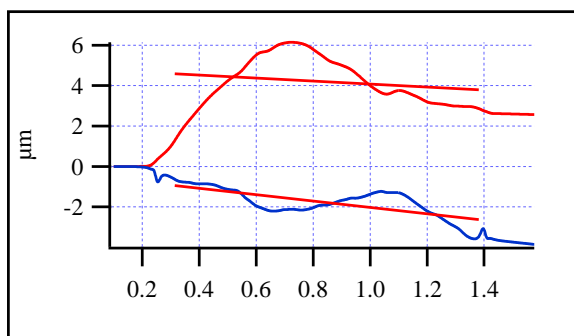
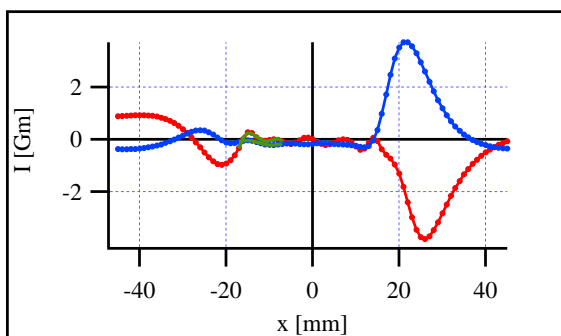
$$\text{IIz(sBz): } -0.2718 \text{ G m}^2$$

I4 : 1.4136 A

H Sextupole : 237.3 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 1.2 um



Kyma Srl

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