

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz361,Bx361,Izmes1,Ixmes1

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : -1 Peak Field Bx: 0.05692 T

RMS Phase Error : 6.17 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 4.5 %

Fund. En. (B2E) : 1911.9 eV = 0.6 nm

Peak Field Bz: 0.69391 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 m

Delta Bz/Bz : 1.0 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : -23.855 G/m

Bz Taper : -10.394 G/m

V Dipole : -19.5 G cm

Iz(coil) : -20.4 G cm

Pred. C.C. currents

V Quadrupole : -64.7 G

$$I_z(\text{BzC}): -20.4 \text{ Gcm} \quad I_z(\text{Bz}): 12.8 \text{ G cm}$$

I1 : 0.3851 A

V Sextupole : 203.0 G/cm

$I_x(\text{coil}) : 1.5 \text{ G cm}$

I2 : -2.5966 A

$$I_x(BxC) : 1.5 \text{ Gcm} \quad I_x(Bx) : -34.0 \text{ G cm}$$

H Dipole : 7.6 G cm

$$\Pi_X(sB_X) : 0.3678 \text{ G m}^2$$

I3 : 1.1803 A

H Quadrupole : -167.5 G

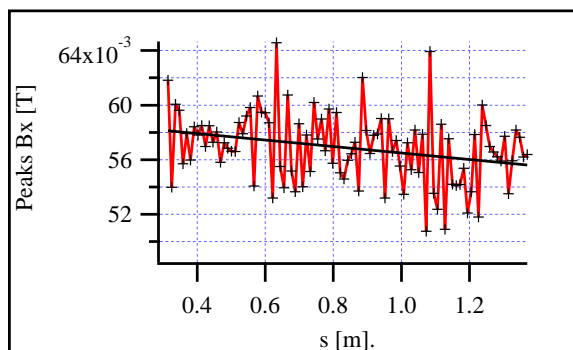
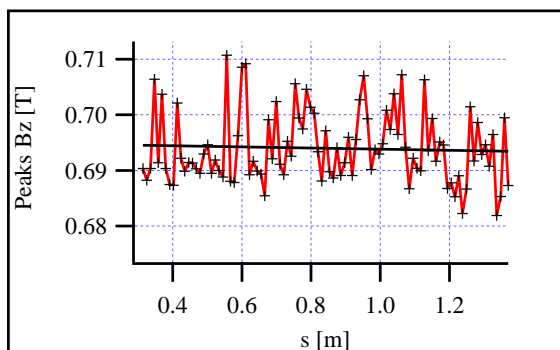
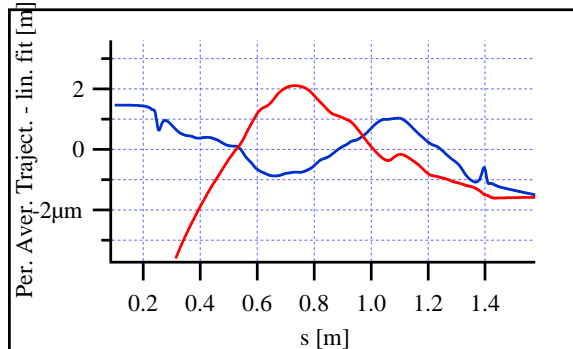
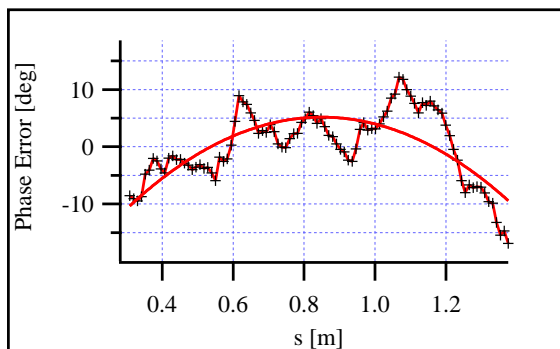
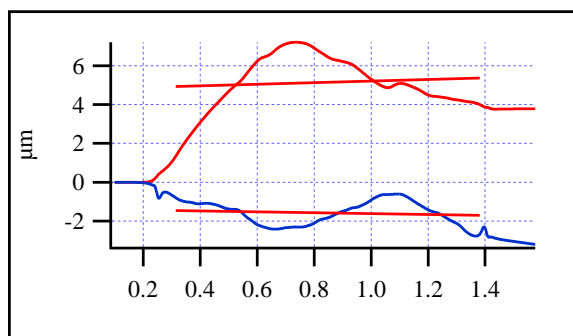
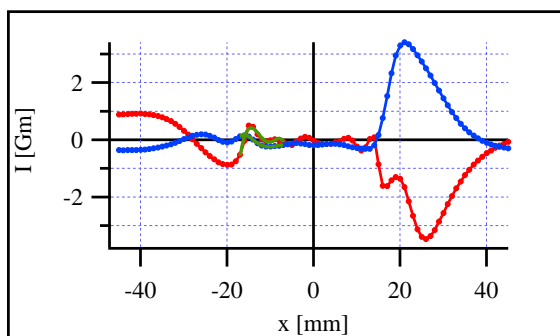
 $\Pi_z(\text{sBz}): -0.1672 \text{ G m}^2$

I4 : 0.8543 A

H Sextupole : 283.1 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 1.4 um



Kyma Srl

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