

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz333,Bx333,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 0 Peak Field Bx: 0.09123 T

RMS Phase Error : 16.90 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 5.1 %

Fund. En. (B2E) : 3599.9 eV = 0.3 nm

Peak Field Bz: 0.13012 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.01+-0.14 mm Delta Bz/Bz : 6.5 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : -16.669 G/m

Bz Taper : 9.205 G/m

Krms : 0.231

V Dipole : -28.0 G cm

Iz(coil) : -26.6 G cm

Pred. C.C. currents

V Quadrupole : -1.5 G

$$I_z(\text{BzC}): -26.6 \text{ Gcm} \quad I_z(\text{Bz}): -5.7 \text{ G cm}$$

I1 : -0.7697 A

V Sextupole : 414.2 G/cm

$I_x(\text{coil}) : -34.7 \text{ G cm}$

I2 : -4.1019 A

$$I_x(BxC) : -34.8 \text{ Gcm} \quad I_x(Bx) : 148.9 \text{ G cm}$$

H Dipole : -27.7 G cm

$$\Pi_X(sB_X) : 1.1986 \text{ G m}^2$$

I3 : 4.9728 A

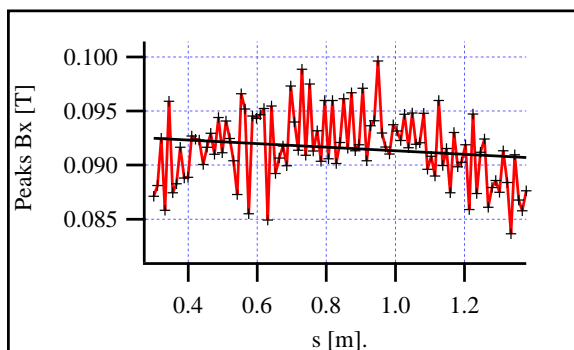
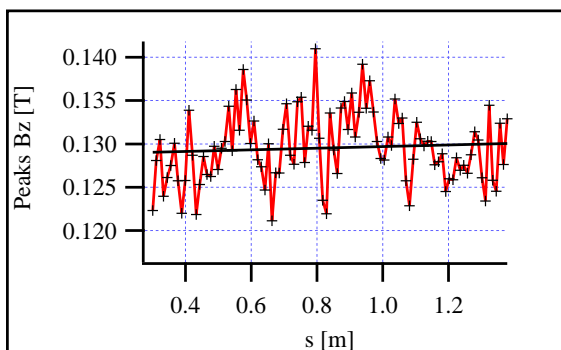
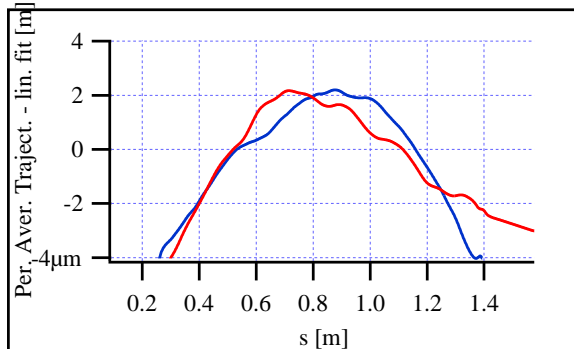
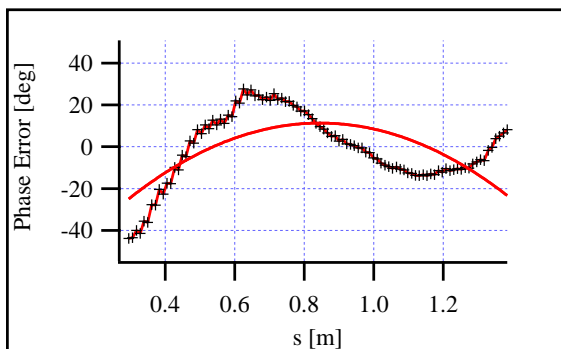
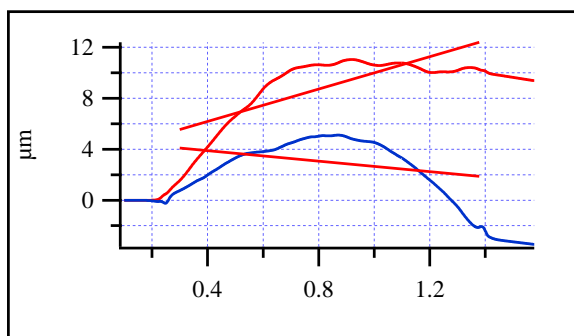
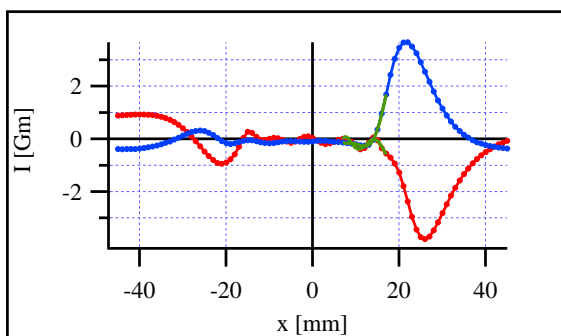
H Quadrupole : 147.2 G

$\Pi_z(\text{sBz}): -0.1480 \text{ G m}^2$

I4 : 3.9916 A

H Sextupole : 282.5 G/cm

BzTrj RMS dev. : 1.8 um



Kyma Srl

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