

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz299,Bx299,Izmes59,Ixmes59
Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 1 Peak Field Bx: 0.00357 T

RMS Phase Error : 16.03 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 65.5 %

Fund. En. (B2E) : 2535.7 eV = 0.5 nm

Peak Field Bz: 0.48969 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -1.094 G/m

Bz Taper : 20.985 G/m

Krms : 0.712

V Dipole : -30.9 G cm

Iz(coil) : -30.3 G cm

Pred. C.C. currents

V Quadrupole : -49.1 G

$$I_z(\text{BzC}): -30.4 \text{ Gcm} \quad I_z(\text{Bz}) : 22.4 \text{ G cm}$$

I1 : 0.1650 A

V Sextupole : 505.1 G/cm

$I_x(\text{coil}) : -55.7 \text{ G cm}$

I2 : -3.7527 A

$$I_x(B_xC) : -55.7 \text{ Gcm} \quad I_x(B_x) : 621.1 \text{ G cm}$$

H Dipole : -44.5 G cm

$$\Pi_X(sB_X) : 1.1898 \text{ G m}^2$$

I3 : 5.5759 A

H Quadrupole : 238.6 G

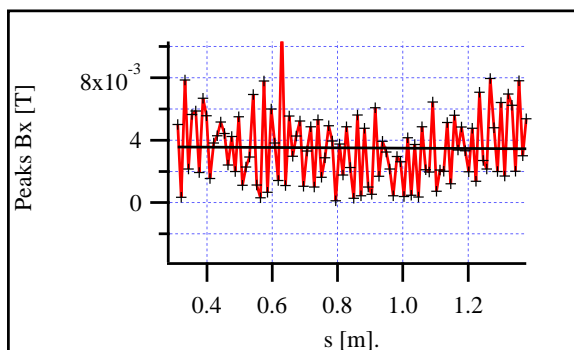
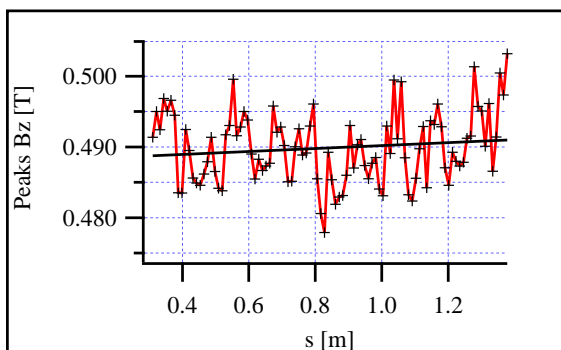
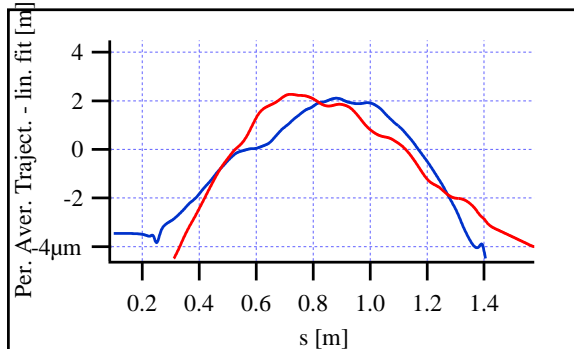
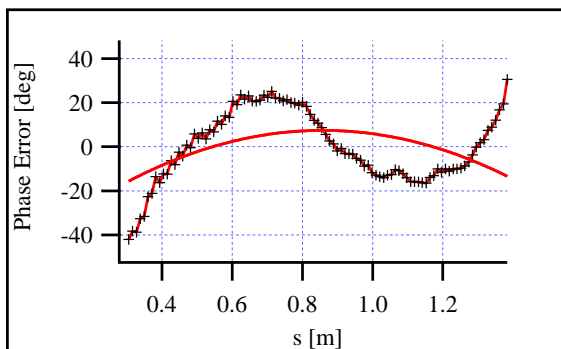
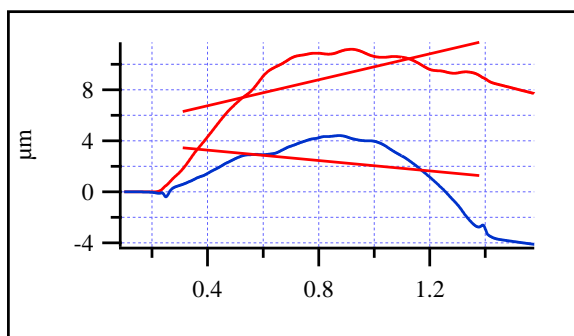
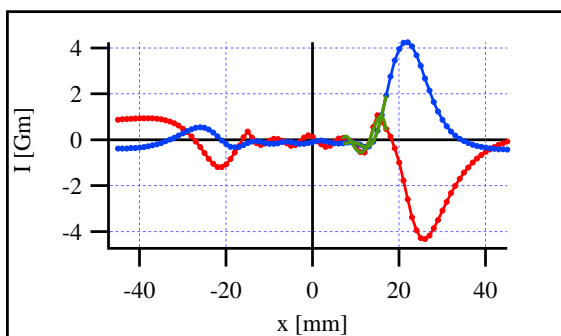
 $\mu_z(sBz): -0.1833 \text{ G m}^2$

I4 : 4.5708 A

H Sextupole : 1296.8 G/cm

BzTrj RMS dev. : 1.7 um

BxTrj RMS dev. : 1.8 um



Kyma Srl

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