

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz99,Bx99,Izmes3,Ixmes3

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : -1 Peak Field Bx: 0.00846 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 11.5 %

Peak Field Bz: 0.78421 T

Fund. En. (B2E) : $1671.6 \text{ eV} = 0.7 \text{ nm}$

Radiation wavelength (lin. fit): 0.7 nm

Peaks used : 102

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.3 %

e-beam energy : 3 GeV

Bx Taper : -2.663 G/m

Bz Taper : -19.020 G/m

Krms : 1.140

V Dipole : -17.5 G cm

Iz(coil) : -17.8 G cm

Pred. C.C. currents

V Quadrupole : 0.2 G

$$I_z(\text{BzC}): -17.8 \text{ Gcm} \quad I_z(\text{Bz}): 71.1 \text{ G cm}$$

I1 : 0.0629 A

V Sextupole : 71.3 G/cm

$I_x(\text{coil}) : -1.4 \text{ G cm}$

I2 : -0.3306 A

$$I_x(B_xC) : -1.4 \text{ Gcm} \quad I_x(B_x) : 108.8 \text{ G cm}$$

H Dipole : -0.7 G cm

$$\Pi_X(sB_X) : 0.0608 \text{ G m}^2$$

I3 : 1.4601 A

H Quadrupole : -85.4 G

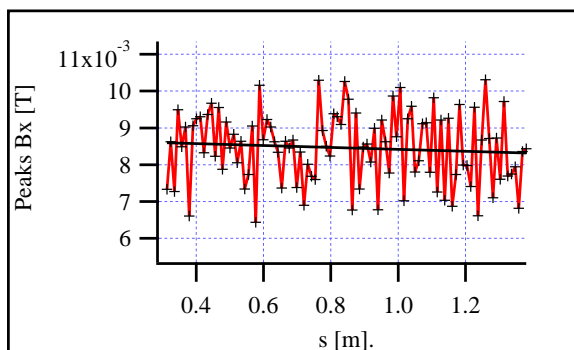
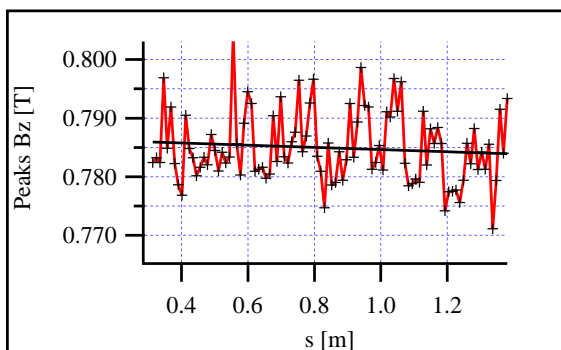
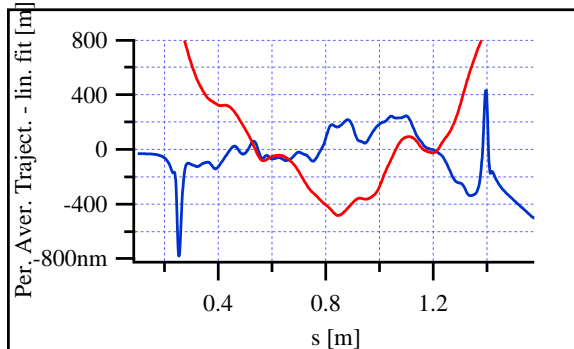
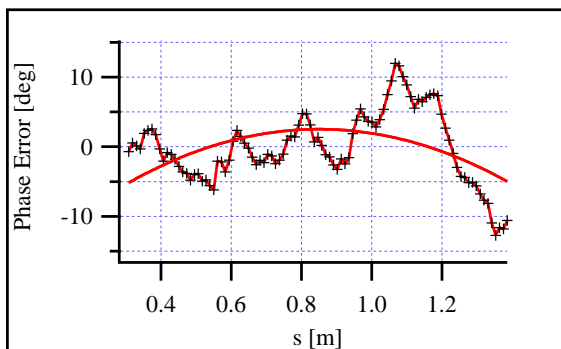
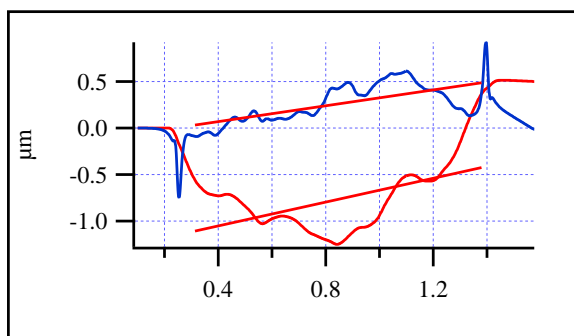
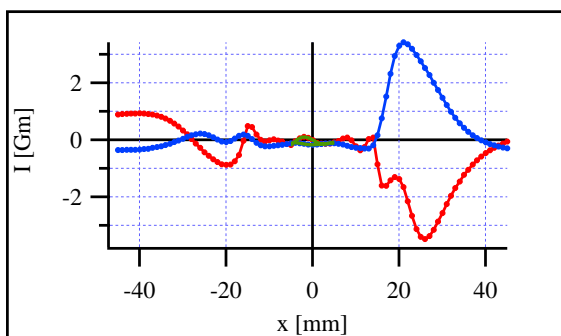
 $\Pi_z(\text{sBz}): 0.1317 \text{ G m}^2$

I4 : -1.0261 A

H Sextupole : -42.5 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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