

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz101,Bx101,Izmes5,Ixmes5

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : -1 Peak Field Bx: 0.00980 T

RMS Phase Error : 5.12 deg

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

Fund. En. (B2E) : 1704.2 eV = 0.7 nm

Peak Field Bz: 0.77559 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -3.266 G/m

Bz Taper : -26.033 G/m

Krms : 1.127

V Dipole : -19.5 G cm

Iz(coil) : -19.8 G cm

Pred. C.C. currents

V Quadrupole : 1.6 G

$$I_z(\text{BzC}): -19.8 \text{ Gcm} \quad I_z(\text{Bz}): 58.3 \text{ G cm}$$

I1 : 0.4027 A

V Sextupole : 71.1 G/cm

$I_x(\text{coil}) : -2.2 \text{ G cm}$

I2 : -0.6660 A

$$I_x(BxC) : -2.2 \text{ Gcm} \quad I_x(Bx) : 364.9 \text{ G cm}$$

H Dipole : -1.2 G cm

$$\Pi_X(sB_X) : 0.0684 \text{ G m}^2$$

I3 : 1.3370 A

H Quadrupole : -86.1 G

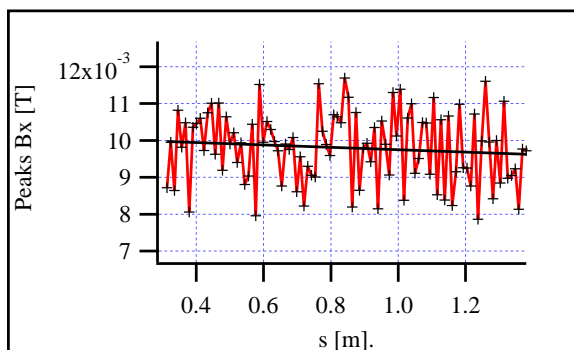
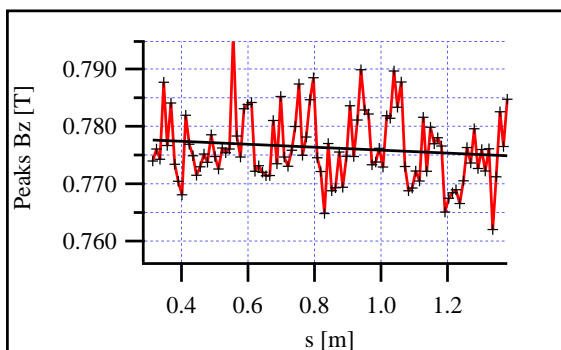
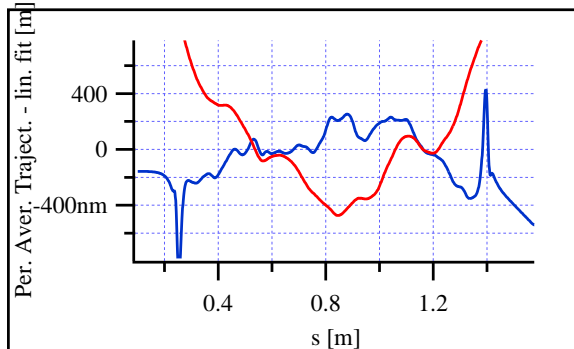
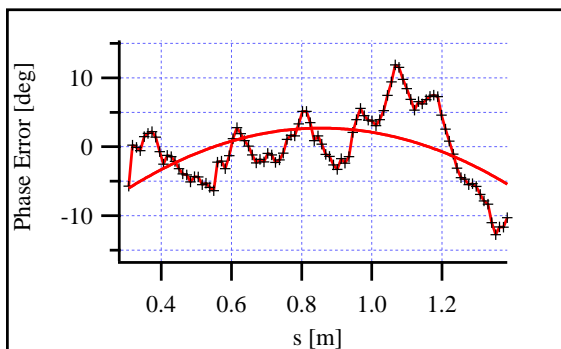
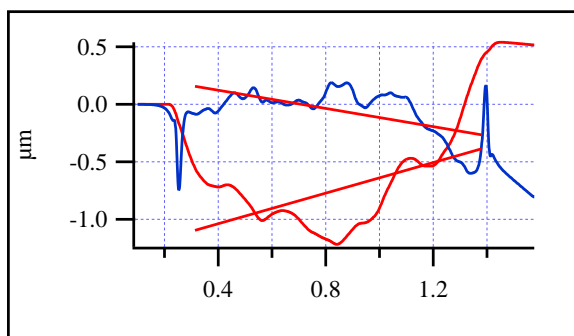
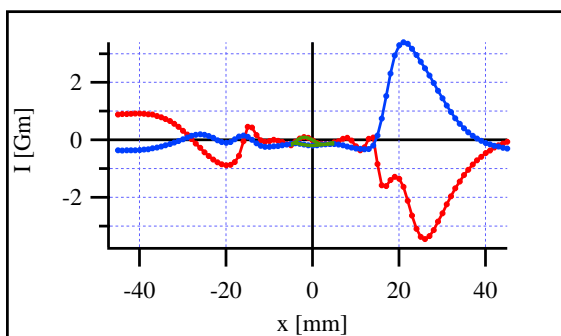
 $\mu_z(sBz): 0.0680 \text{ G m}^2$

I4 : -0.8113 A

H Sextupole : -45.0 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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