

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz383,Bx383,Izmes23,Ixmes23

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : -1 Peak Field Bx: 0.12265 T

RMS Phase Error : 9.20 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 2.1 %

Fund. En. (B2E) : 3144.7 eV = 0.4 nm

Peak Field Bz: 0.30355 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.07 mm Delta Bz/Bz : 2.8 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -9.444 G/m

Bz Taper : -25.141 G/m

Krms : 0.476

V Dipole : -17.1 G cm

Iz(coil) : -17.5 G cm

Pred. C.C. currents

V Quadrupole : -54.5 G

$$I_z(\text{BzC}): -17.5 \text{ Gcm} \quad I_z(\text{Bz}): -18.4 \text{ G cm}$$

I1 : 0.3464 A

V Sextupole : 205.9 G/cm

$I_x(\text{coil}) : -1.3 \text{ G cm}$

I2 : -2.4034 A

$$I_x(BxC) : -1.3 \text{ Gcm} \quad I_x(Bx) : -34.9 \text{ G cm}$$

H Dipole : 4.9 G cm

$$\Pi_X(sB_X) : 0.3701 \text{ G m}^2$$

I3 : 1.1515 A

H Quadrupole : -160.6 G

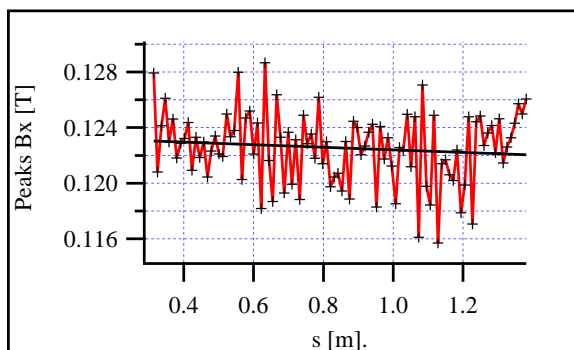
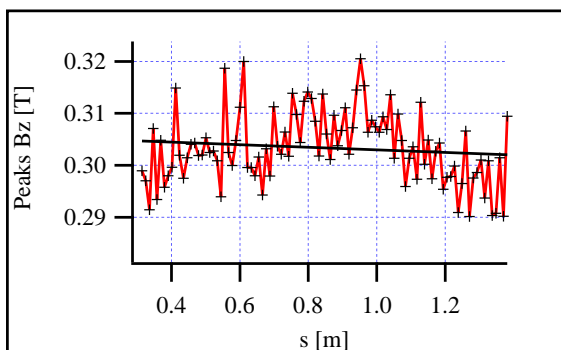
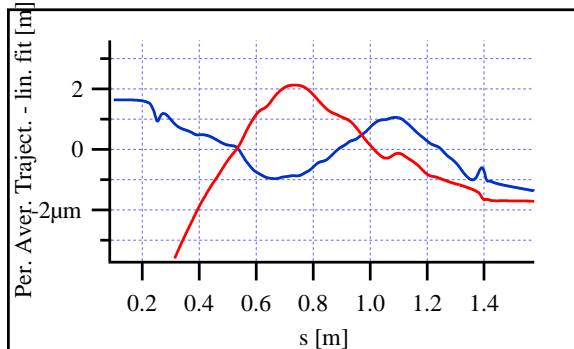
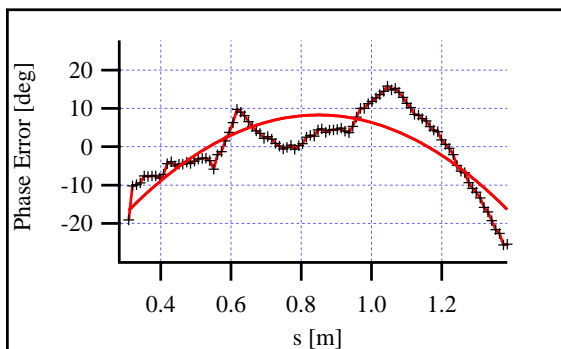
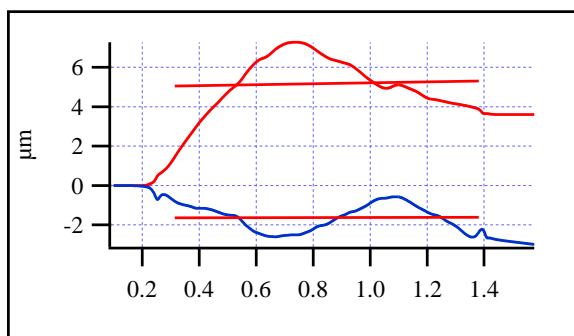
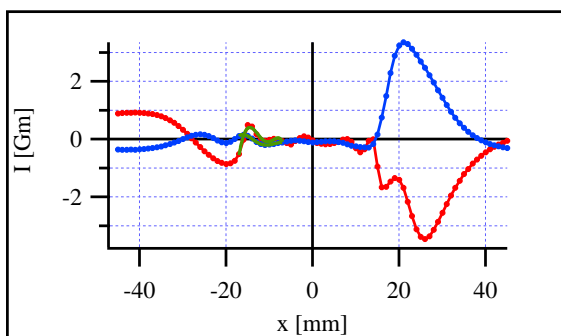
$\mu_z(\text{sBz}): -0.1675 \text{ G m}^2$

I4 : 1.0634 A

H Sextupole : 310.5 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 1.4 um



Kyma Srl

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