

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz403,Bx403,Izmes43,Ixmes43

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : 0 Peak Field Bx: 0.05399 T

RMS Phase Error : 5.20 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 5.9 %

Fund. En. (B2E) : $3526.6 \text{ eV} = 0.4 \text{ nm}$

Peak Field Bz: 0.18518 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.09 mm Delta Bz/Bz : 3.3 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : 7.226 G/m

Bz Taper : 11.200 G/m

Krms : 0.280

V Dipole : -11.4 G cm

Iz(coil) : -11.3 G cm

Pred. C.C. currents

V Quadrupole : -35.9 G

$$I_z(\text{BzC}): -11.3 \text{ Gcm} \quad I_z(\text{Bz}): 14.6 \text{ G cm}$$

I1 : 1.0402 A

V Sextupole : 43.3 G/cm

$I_x(\text{coil}) : -8.4 \text{ G cm}$

I2 : -2.4462 A

$$I_x(B_xC) : -8.4 \text{ Gcm} \quad I_x(B_x) : 334.7 \text{ G cm}$$

H Dipole : -4.3 G cm

$$\Pi_X(sB_X) : 0.3292 \text{ G m}^2$$

I3 : 0.3678 A

H Quadrupole : -80.0 G

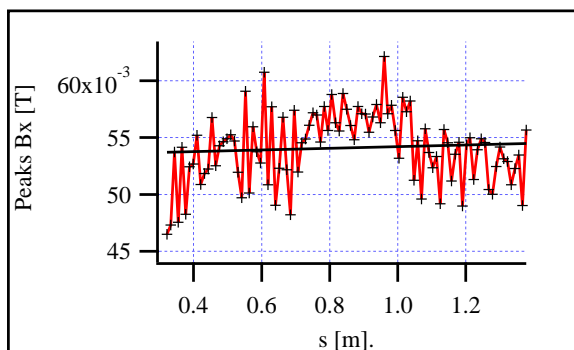
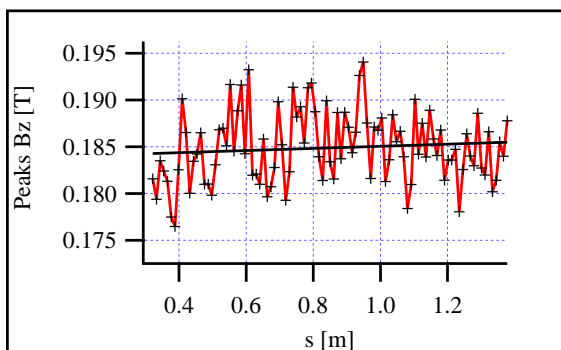
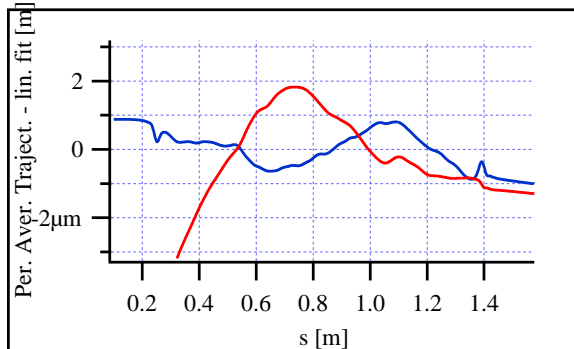
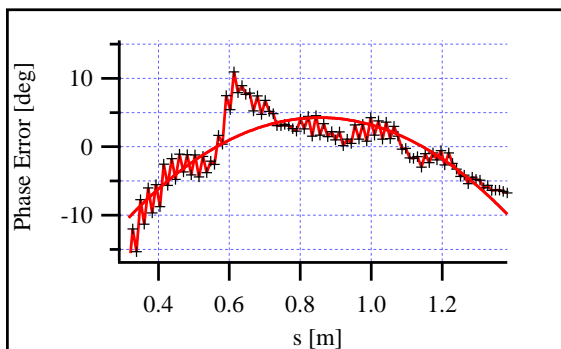
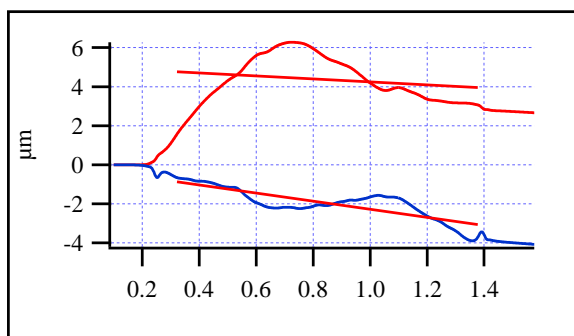
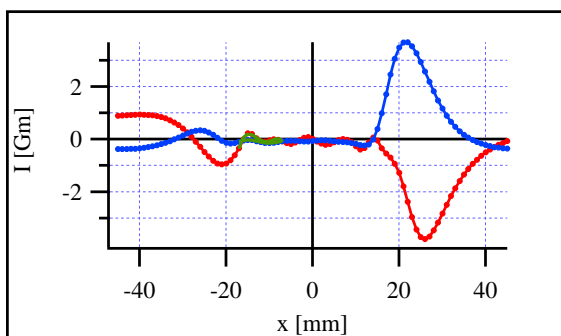
$$\text{IIz(sBz): } -0.3238 \text{ G m}^2$$

I4 : 2.0261 A

H Sextupole : 255.4 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 1.2 um



Kyma Srl

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