

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz81,Bx81,Izmes9,Ixmes9

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : -1 Peak Field Bx: 0.00648 T

RMS Phase Error : 5.28 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 16.6 %

Fund. En. (B2E) : 1874.1 eV = 0.7 nm

Peak Field Bz: 0.71053 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.1 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 0.239 G/m

Bz Taper : -6.043 G/m

Krms : 1.033

V Dipole : -12.6 G cm

Iz(coil) : -12.9 G cm

Pred. C.C. currents

V Quadrupole : 17.0 G

$$I_z(\text{BzC}): -12.9 \text{ Gcm} \quad I_z(\text{Bz}): 75.3 \text{ G cm}$$

I1 : 1.8459 A

V Sextupole : -58.6 G/cm

$I_x(\text{coil}) : -19.7 \text{ G cm}$

I2 : -0.3177 A

$$I_x(B_xC) : -19.8 \text{ Gcm} \quad I_x(B_x) : 710.4 \text{ G cm}$$

H Dipole : -14.5 G cm

$$\Pi_X(sB_X) : -0.0633 \text{ G m}^2$$

I3 : 0.3607 A

H Quadrupole : 43.7 G

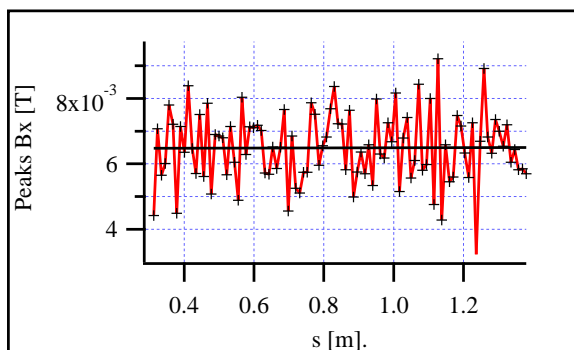
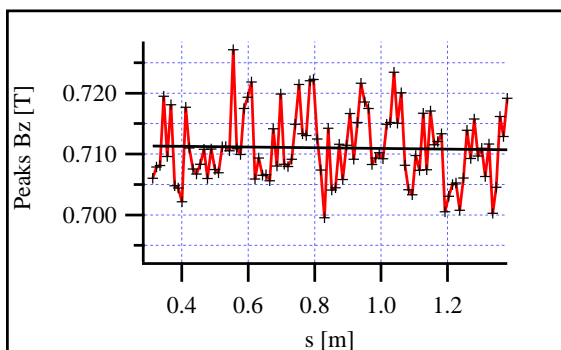
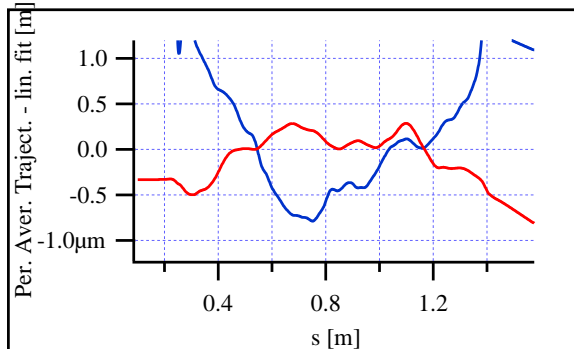
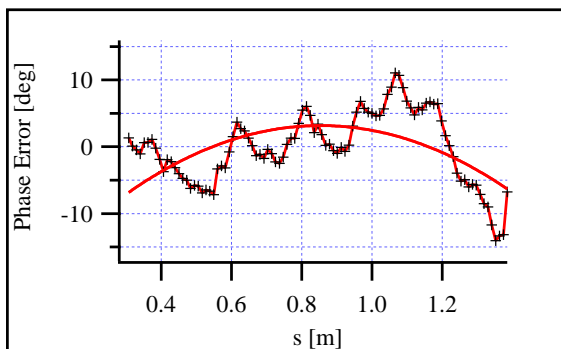
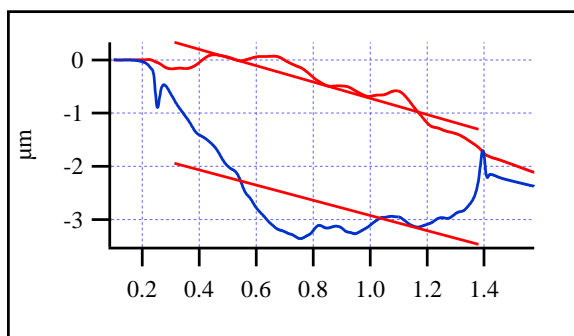
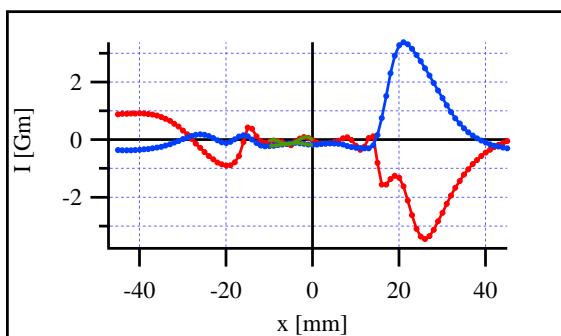
$\Pi_z(sB_z)$: -0.1410 G m²

I4 : 0.4371 A

H Sextupole : 257.4 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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