

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz93,Bx93,Izmes21,Ixmes21

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : -1 Peak Field Bx: 0.00752 T

RMS Phase Error : 8.54 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 14.8 %

Fund. En. (B2E) : $2918.8 \text{ eV} = 0.4 \text{ nm}$

Peak Field Bz: 0.39418 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.07 mm Delta Bz/Bz : 2.0 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -0.353 G/m

Bz Taper : -15.306 G/m

Krms : 0.573

V Dipole : -7.5 G cm

Iz(coil) : -7.5 G cm

Pred. C.C. currents

V Quadrupole : 19.0 G

$$I_z(\text{BzC}): -7.5 \text{ Gcm} \quad I_z(\text{Bz}) : 38.8 \text{ G cm}$$

I1 : 1.6323 A

V Sextupole : -63.7 G/cm

$I_x(\text{coil}) : -20.3 \text{ G cm}$

I2 : -0.0703 A

$$I_x(B_xC) : -20.3 \text{ Gcm} \quad I_x(B_x) : 272.6 \text{ G cm}$$

H Dipole : -15.1 G cm

$$\Pi_X(sB_X) : -0.0631 \text{ G m}^2$$

I3 : 0.1741 A

H Quadrupole : 42.3 G

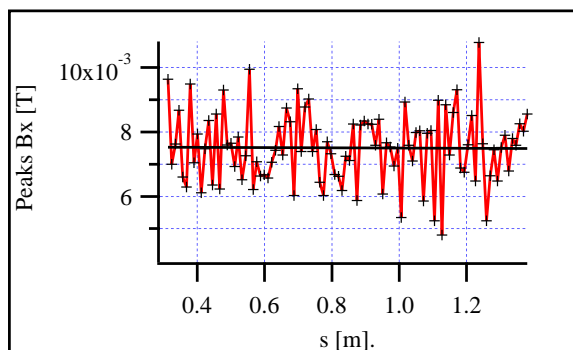
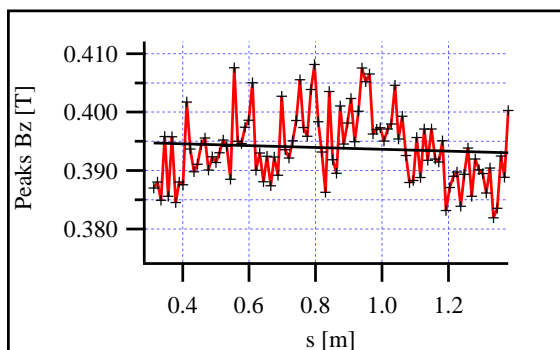
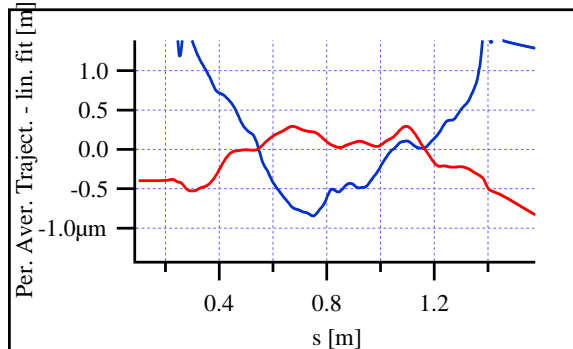
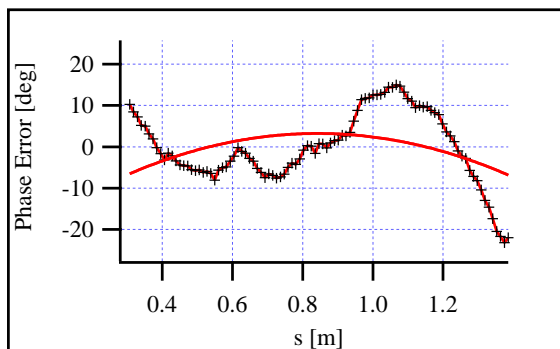
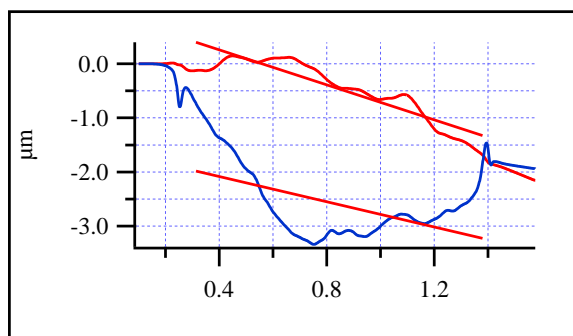
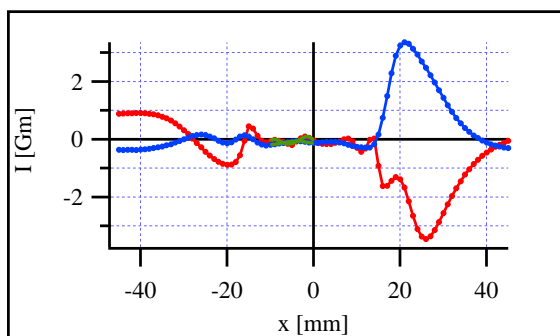
IIz(sBz): -0.1377 G m²

I4 : 0.6596 A

H Sextupole : 263.6 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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