

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz261,Bx261,Izmes69,Ixmes69

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 1 Peak Field Bx: 0.01340 T

RMS Phase Error : 2.12 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 6.1 %

Peak Field Bz: 0.12437 T

Fund. En. (B2E) : 3758.4 eV = 0.3 nm

Radiation wavelength (lin. fit): 0.3 nm

Peaks used : 101

Undulator Period : 22.00+-0.12 mm

e-beam energy : 3 GeV

Bx Taper : -3.721 G/m

Bz Taper : 16.256 G/m

V Dipole : -5.6 G cm

Iz(coil) : -5.4 G cm

Pred. C.C. currents

V Quadrupole : 50.0 G

$$I_z(\text{BzC}): -5.4 \text{ Gcm} \quad I_z(\text{Bz}): 16.2 \text{ G cm}$$

I1 : 0.0489 A

V Sextupole : -29.9 G/cm

$I_x(\text{coil}) : 12.2 \text{ G cm}$

I2 : -1.2357 A

$$I_x(B_xC) : 12.2 \text{ Gcm} \quad I_x(B_x) : 308.6 \text{ G cm}$$

H Dipole : 11.0 G cm

$$\Pi_X(sB_X) : 0.0815 \text{ G m}^2$$

I3 : -0.3288 A

H Quadrupole : -126.8 G

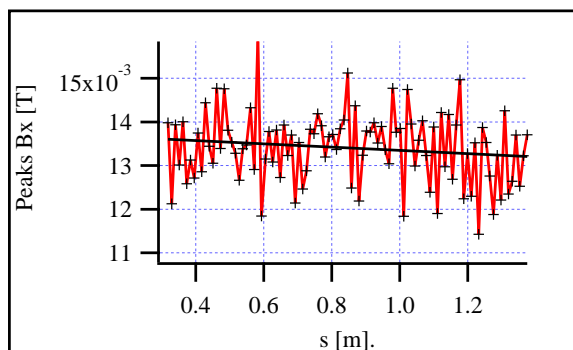
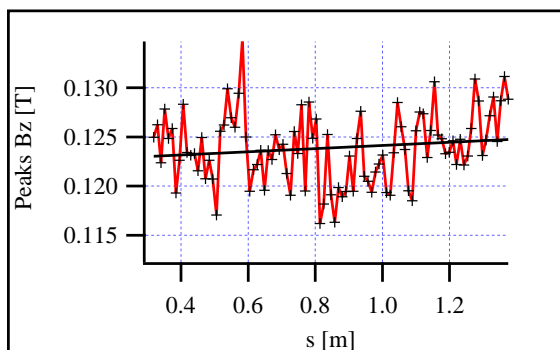
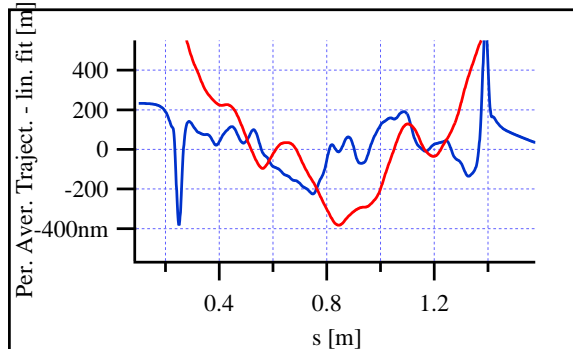
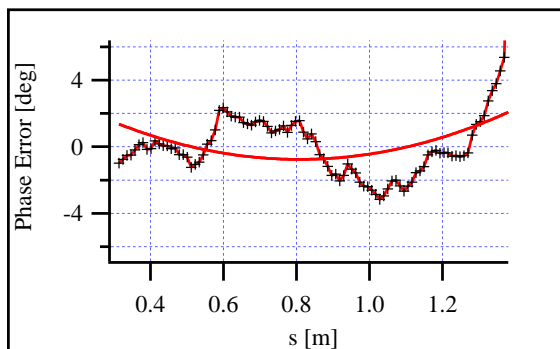
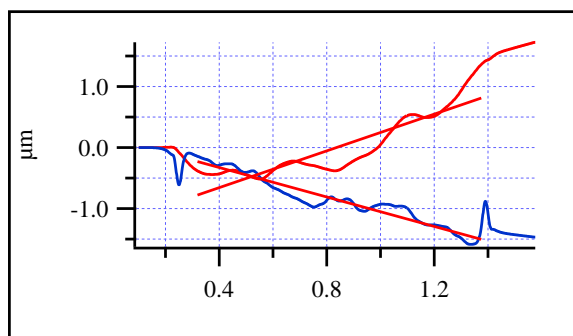
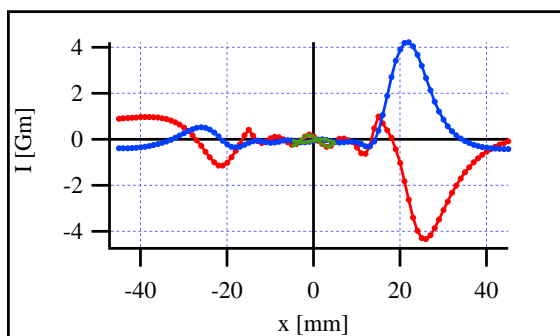
$\Pi_z(sB_z)$: -0.1068 G m²

I4 : 0.0832 A

H Sextupole : -438.7 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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