

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz231,Bx231,Izmes63,Ixmes63

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 1 Peak Field Bx: 0.01507 T

RMS Phase Error : 3.80 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 6.4 %

Peak Field Bz: 0.40316 T

Fund. En. (B2E) : 2896.0 eV = 0.4 nm

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.2 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : -2.227 G/m

Bz Taper : -2.568 G/m

V Dipole : -8.6 G cm

Iz(coil) : -8.2 G cm

Pred. C.C. currents

V Quadrupole : -26.4 G

$$I_z(\text{BzC}): -8.2 \text{ Gcm} \quad I_z(\text{Bz}) : 63.5 \text{ G cm}$$

I1 : 1.2997 A

V Sextupole : -86.4 G/cm

$I_x(\text{coil}) : -26.0 \text{ G cm}$

I2 : -0.2294 A

$$I_x(BxC) : -26.1 \text{ Gcm} \quad I_x(Bx) : 800.9 \text{ G cm}$$

H Dipole : -23.4 G cm

$$\Pi_X(sB_X) : 0.0805 \text{ G m}^2$$

I3 : 0.8994 A

H Quadrupole : -28.3 G

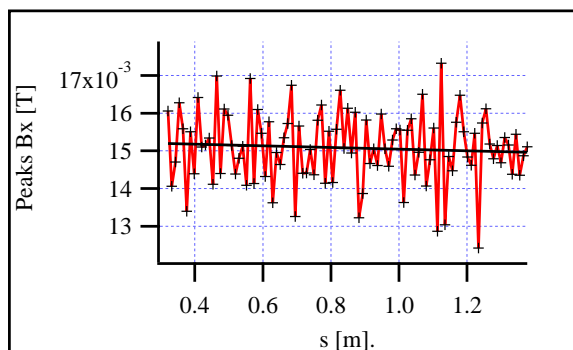
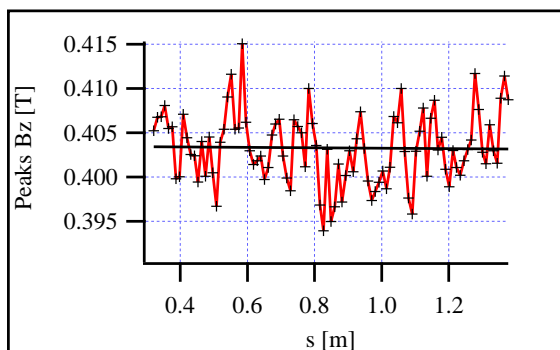
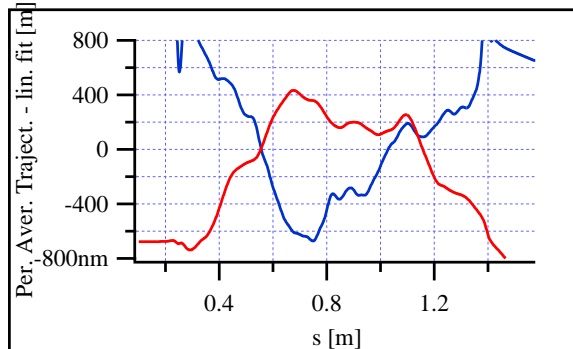
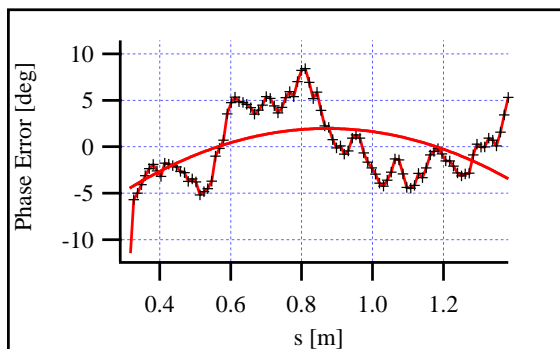
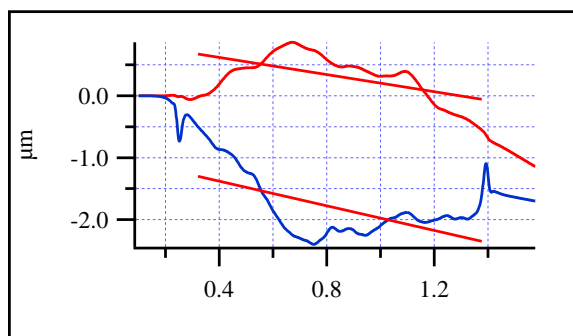
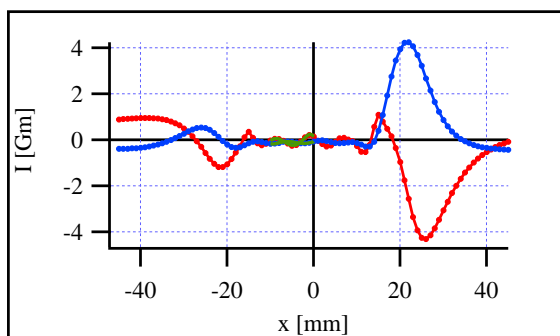
$\Pi_z(sB_z)$: -0.1088 G m²

I4 : 1.0996 A

H Sextupole : 458.5 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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