

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz343,Bx343,Izmes7,Ixmes7

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : -1 Peak Field Bx: 0.04985 T

RMS Phase Error : 9.19 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 6.1 %

Peak Field Bz: 0.66307 T

Fund. En. (B2E) : 1985.5 eV = 0.6 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 3.254 G/m

Bz Taper : 10.246 G/m

V Dipole : -31.2 G cm

Iz(coil) : -28.5 G cm

Pred. C.C. currents

V Quadrupole : -14.8 G

$$I_z(\text{BzC}): -28.5 \text{ Gcm} \quad I_z(\text{Bz}): 37.7 \text{ G cm}$$

I1 : -1.1575 A

V Sextupole : 278.6 G/cm

$I_x(\text{coil}) : -28.5 \text{ G cm}$

I2 : -4.0633 A

H Dipole : -11.4 G cm

$$\Pi_X(sB_X) : 1.1959 \text{ G m}^2$$

I3 : 5.1463 A

H Quadrupole : 236.6 G

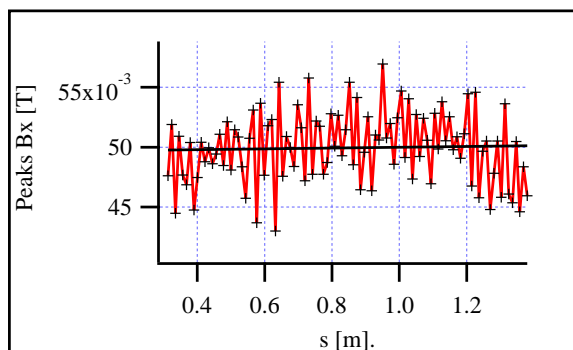
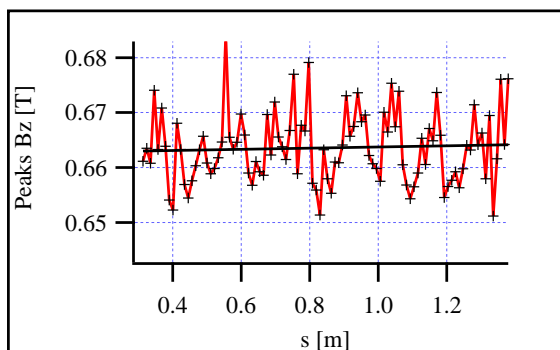
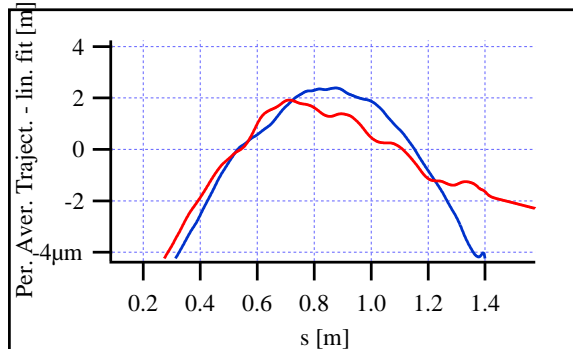
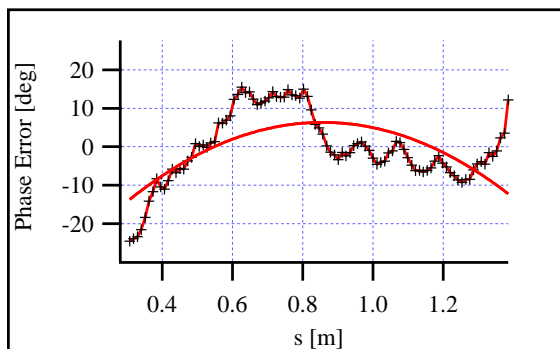
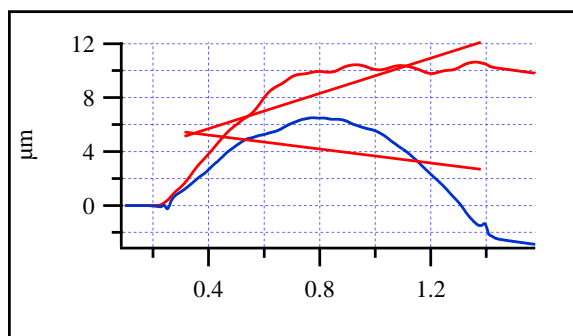
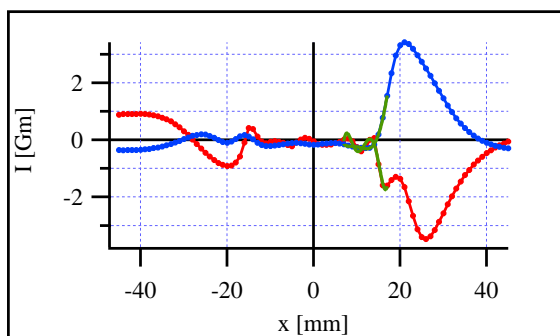
$\Pi_z(sB_z)$: -0.0753 G m²

I4 : 3.4367 A

H Sextupole : -441.2 G/cm

BzTrj RMS dev. : 2.0 um

BxTrj RMS dev. : 1.4 um



Kyma Srl

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