

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz269,Bx269,Izmes53,Ixmes53

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : 1 Peak Field Bx: 0.00939 T

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 12.2 %

Peak Field Bz: 0.67722 T

Undulator Period : 22.00+-0.02 mm

Delta Bz/Bz : 1.2 %

e-beam energy : 3 GeV

Bx Taper : -2.451 G/m

RMS Phase Error : 3.62 deg

Fund. En. (B2E) : 1967.7 eV = 0.6 nm

Radiation wavelength (lin. fit): 0.6 nm

Peaks used : 102

Bz Taper : 6.850 G/m

V Dipole : -20.4 G cm

Iz(coil) : -20.9 G cm

Pred. C.C. currents

V Quadrupole : -25.7 G

$$I_z(\text{BzC}): -21.0 \text{ Gcm} \quad I_z(\text{Bz}) : 58.3 \text{ G cm}$$

I1 : 0.2280 A

V Sextupole : 106.9 G/cm

$I_x(\text{coil}) : -9.5 \text{ G cm}$

I2 : -1.8264 A

$$I_x(B_x C) : -9.5 \text{ G cm} \quad I_x(B_x) : 337.3 \text{ G cm}$$

H Dipole : -10.9 G cm

$$\Pi_X(sB_X) : 0.3735 \text{ G m}^2$$

I3 : 2.0276 A

H Ouadrupole : 141.6 G

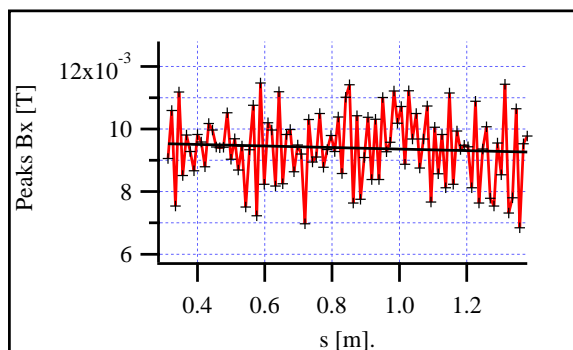
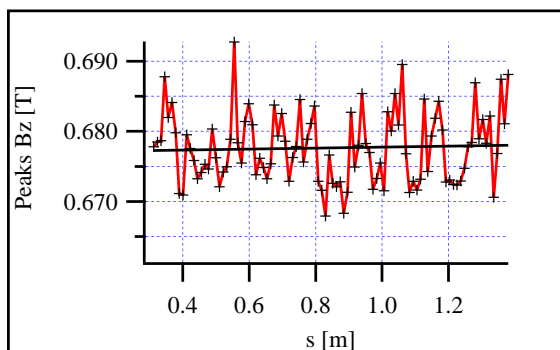
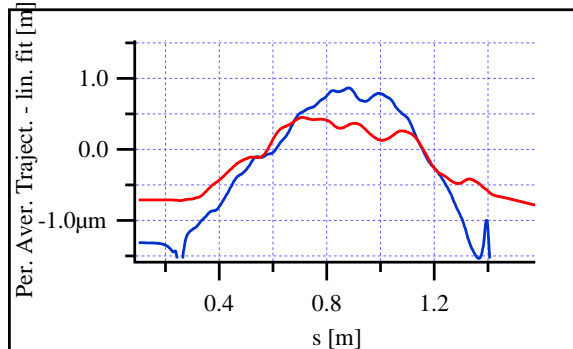
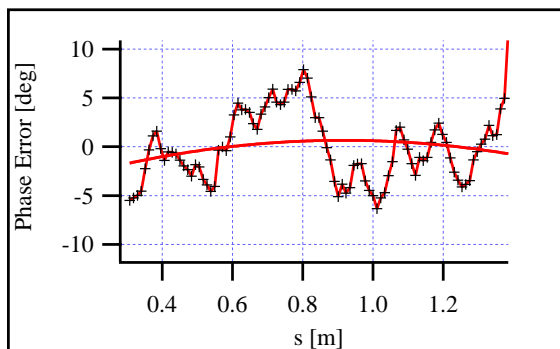
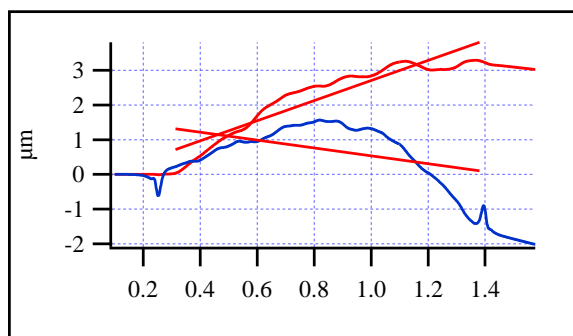
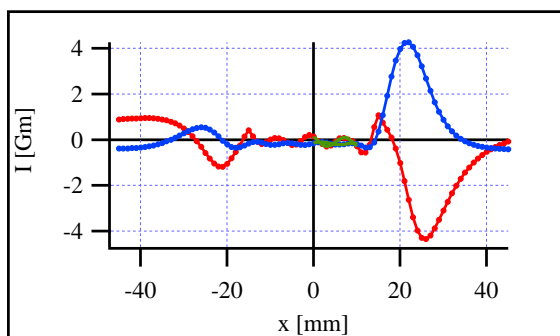
 $\mu_z(\text{sBz}): -0.0448 \text{ G m}^2$

I4 : 0.6851 A

H Sextupole : 30.9 G/cm

BzTrj RMS dev. : 0.7 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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