

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz215,Bx215,Izmes47,Ixmes47

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : 0 Peak Field Bx: 0.01213 T

RMS Phase Error : 4.00 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 8.5 %

Fund. En. (B2E) : $3706.6 \text{ eV} = 0.3 \text{ nm}$

Peak Field Bz: 0.14752 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.00+-0.12 mm

Delta Bz/Bz : 7.9 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -1.836 G/m

Bz Taper : -30.584 G/m

Krms : 0.215

V Dipole : -7.0 G cm

Iz(coil) : -6.9 G cm

Pred. C.C. currents

V Quadrupole : -1.3 G

$$I_z(\text{BzC}): -6.9 \text{ Gcm} \quad I_z(\text{Bz}) : 21.6 \text{ G cm}$$

I1 : 1.2756 A

V Sextupole : -59.0 G/cm

$I_x(\text{coil}) : -16.3 \text{ G cm}$

I2 : -0.5177 A

$$I_x(BxC) : -16.3 \text{ Gcm} \quad I_x(Bx) : 22.6 \text{ G cm}$$

H Dipole : -14.0 G cm

$$\Pi_X(sB_X) : 0.0355 \text{ G m}^2$$

I3 : 0.2503 A

H Quadrupole : 2.3 G

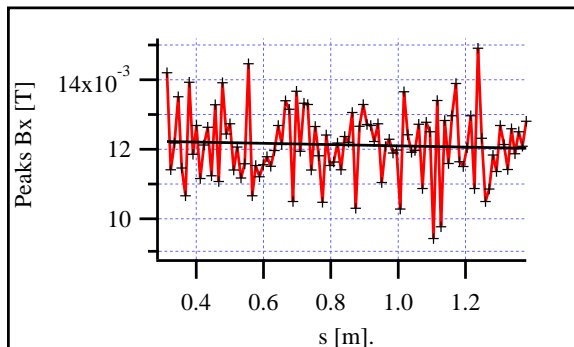
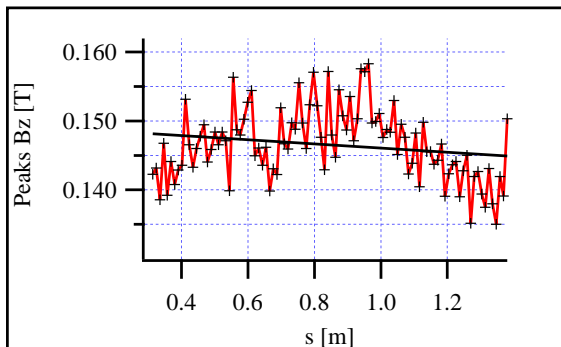
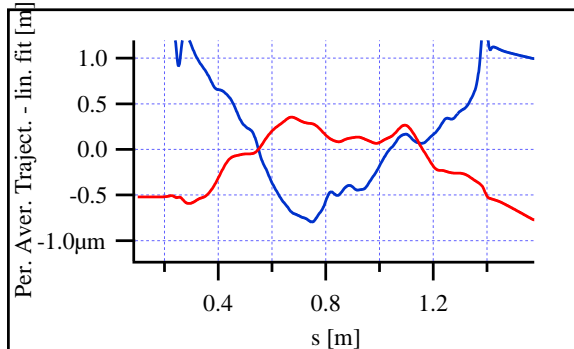
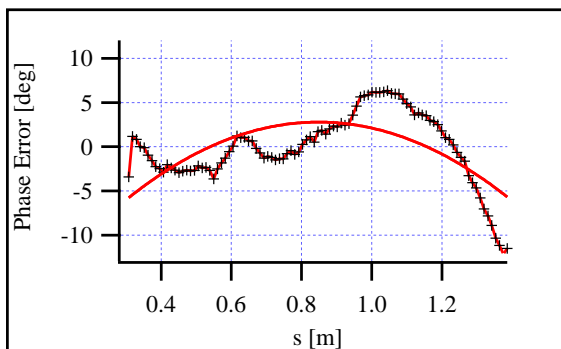
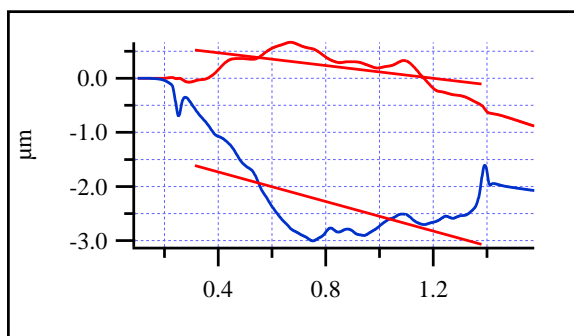
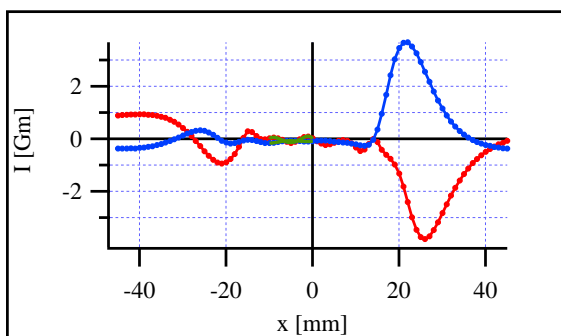
 $\mu_z(sBz): -0.1548 \text{ G m}^2$

I4 : 0.9170 A

H Sextupole : 274.4 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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