

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz281,Bx281,Izmes65,Ixmes65

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 1 Peak Field Bx: 0.01215 T

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 9.7 %

Peak Field Bz: 0.31427 T

RMS Phase Error : 3.73 deg

Fund. En. (B2E) : 3203.0 eV = 0.4 nm

Radiation wavelength (lin. fit): 0.4 nm

Peaks used : 101

Undulator Period : 22.00+-0.04 mm

e-beam energy : 3 GeV

Bx Taper : -4.864 G/m

Bz Taper : 9.875 G/m

Krms : 0.457

V Dipole : -12.2 G cm

Iz(coil) : -12.6 G cm

Pred. C.C. currents

V Quadrupole : -32.5 G

$$I_z(\text{BzC}): -12.6 \text{ Gcm} \quad I_z(\text{Bz}): 31.0 \text{ G cm}$$

I1 : 0.0866 A

V Sextupole : 103.9 G/cm

Ix(coil) : -8.1 G cm

I2 : -1.8166 A

$$I_x(B \times C) : -8.1 \text{ Gcm} \quad I_x(B \times) : 691.7 \text{ G cm}$$

H Dipole : -9.7 G cm

$$\Pi_X(sB_X) : 0.3825 \text{ G m}^2$$

I3 : 1.4136 A

H Quadrupole : 141.4 G

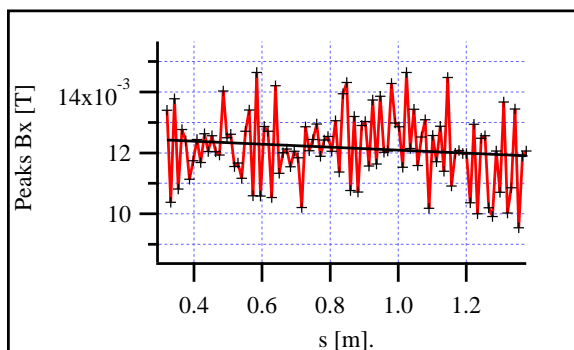
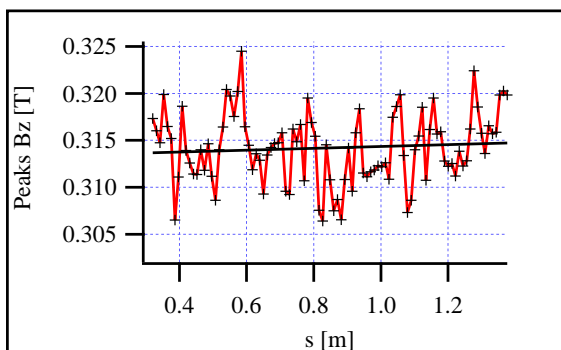
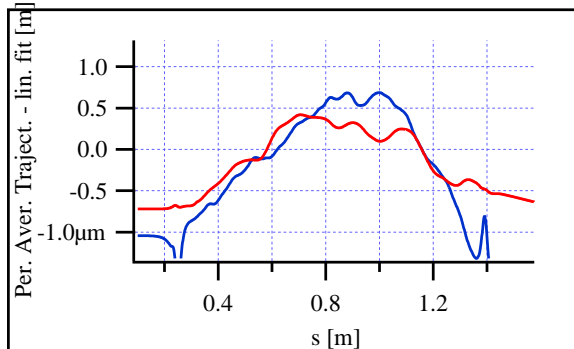
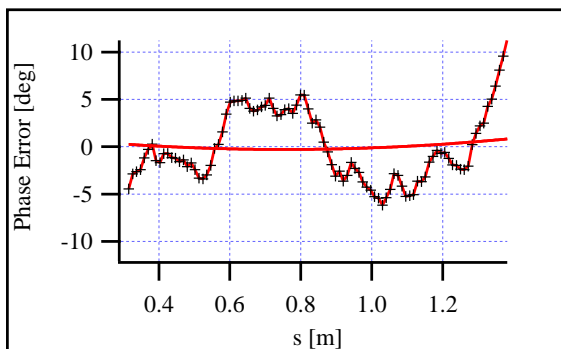
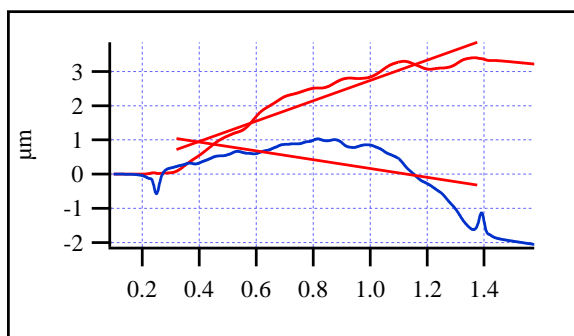
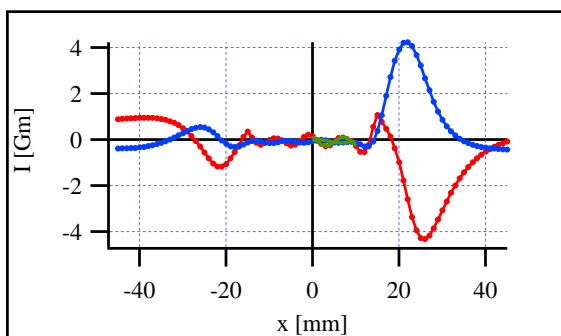
$$\Pi_Z(sB_Z): -0.1109 \text{ G m}^2$$

I4 : 1.2720 Å

H Sextupole : 29.3 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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