

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz325,Bx325,Izmes37,Ixmes37

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 0 Peak Field Bx: 0.03605 T

RMS Phase Error : 14.10 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 7.3 %

Fund. En. (B2E) : 2730.0 eV = 0.5 nm

Peak Field Bz: 0.42945 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -3.401 G/m

Bz Taper : 11.444 G/m

Krms : 0.626

V Dipole : -28.3 G cm

Iz(coil) : -27.0 G cm

Pred. C.C. currents

V Quadrupole : -1.2 G

$$I_z(\text{BzC}): -27.0 \text{ Gcm} \quad I_z(\text{Bz}) : 42.6 \text{ G cm}$$

I1 : -0.8760 A

V Sextupole : 425.1 G/cm

$I_x(\text{coil}) : -26.7 \text{ G cm}$

I2 : -4.4581 A

$$I_x(B_xC) : -26.7 \text{ Gcm} \quad I_x(B_x) : 638.4 \text{ G cm}$$

H Dipole : -19.4 G cm

$$\Pi_X(sB_X) : 1.1965 \text{ G m}^2$$

I3 : 4.6352 A

H Quadrupole : 155.2 G

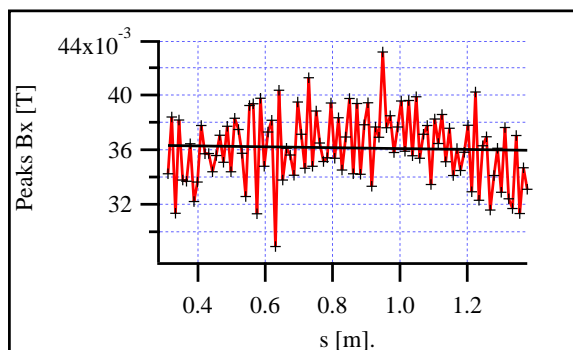
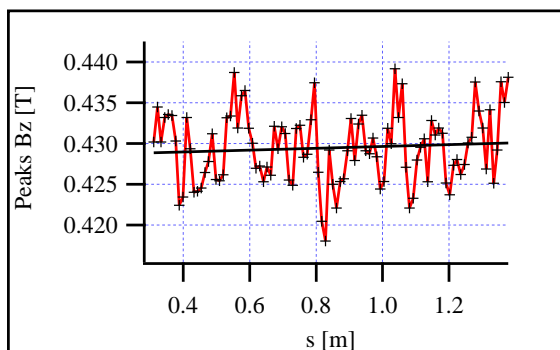
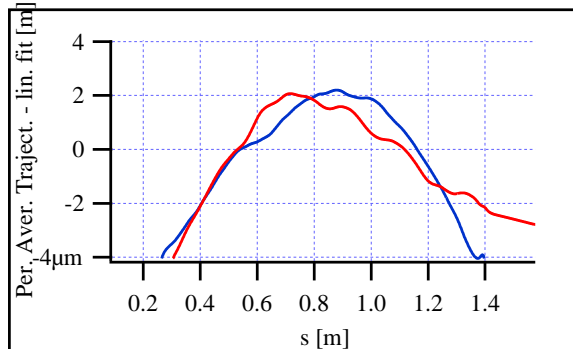
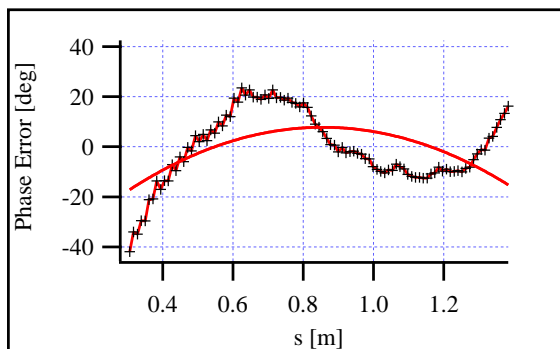
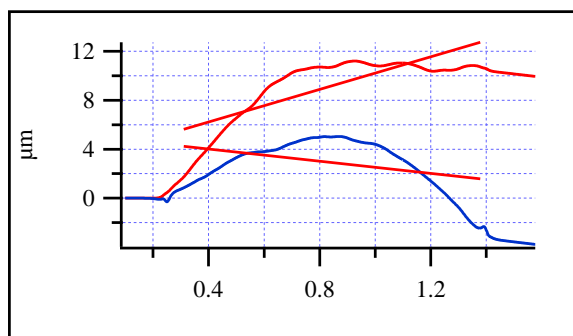
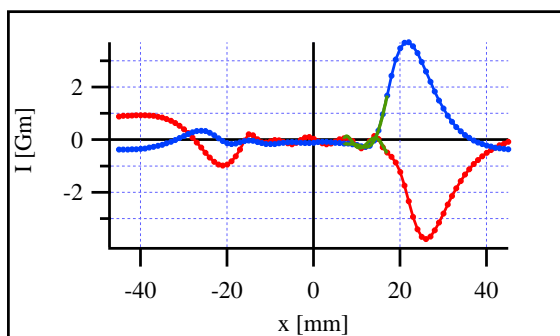
IIz(sBz): -0.1756 G m²

I4 : 3.8422 A

H Sextupole : 263.9 G/cm

BzTrj RMS dev. : 1.8 um

BxTrj RMS dev. : 1.6 um



Kyma Srl

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