

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz263,Bx263,Izmes71,Ixmes71
Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : 1 Peak Field Bx: 0.00767 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 17.7 %

Peak Field Bz: 0.03432 T

Fund. En. (B2E) : 3871.5 eV = 0.3 nm

Radiation wavelength (lin. fit): 0.3 nm

Peaks used : 101

Undulator Period : 22.00+-0.51 mm Delta Bz/Bz : 33.1 %

e-beam energy : 3 GeV

Bx Taper : -1.173 G/m

Bz Taper : 33.054 G/m

Krms : 0.051

V Dipole : -2.5 G cm

Iz(coil) : -2.3 G cm

Pred. C.C. currents

V Quadrupole : 49.0 G

$$I_z(\text{BzC}): -2.3 \text{ Gcm} \quad I_z(\text{Bz}) : 13.8 \text{ G cm}$$

I1 : -0.2429 A

V Sextupole : -22.8 G/cm

$I_x(\text{coil}) : 14.0 \text{ G cm}$

I2 : -1.0588 A

$$I_x(B_xC) : 14.1 \text{ Gcm} \quad I_x(B_x) : 46.6 \text{ G cm}$$

H Dipole : 12.3 G cm

$$\Pi_X(sB_X) : 0.0821 \text{ G m}^2$$

I3 : -0.3949 A

H Quadrupole : -127.3 G

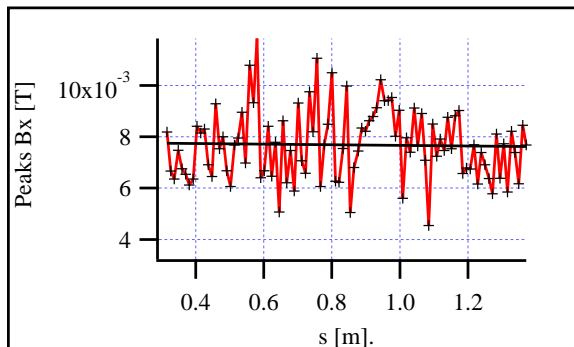
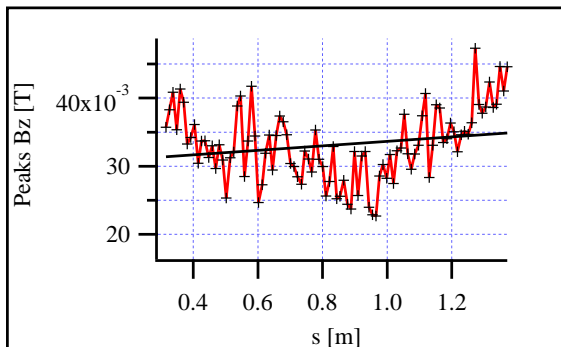
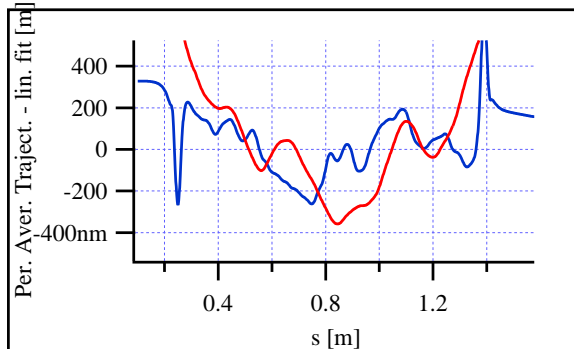
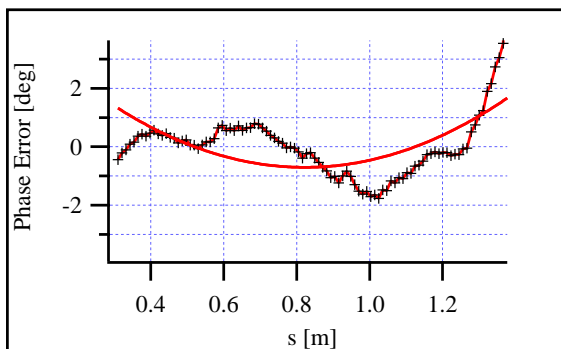
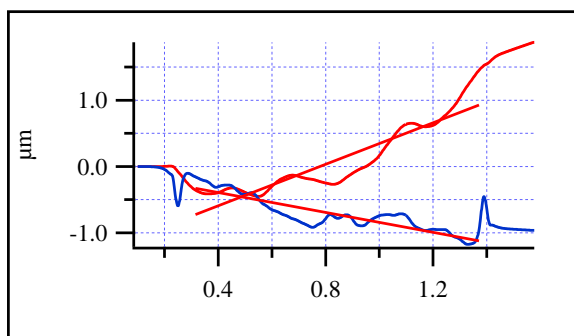
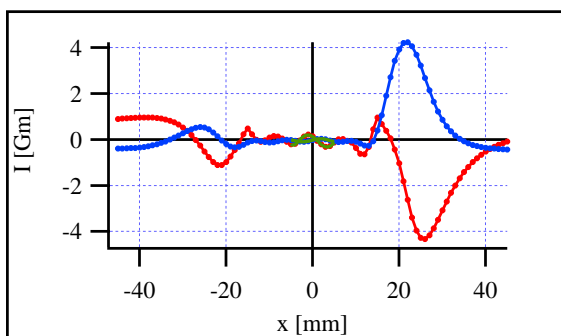
$$\mu_z(\text{sBz}): -0.0788 \text{ G m}^2$$

I4 : 0.0415 A

H Sextupole : -444.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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