

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz331,Bx331,Izmes43,Ixmes43

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : 0 Peak Field Bx: 0.06696 T

RMS Phase Error : 15.41 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 4.8 %

Fund. En. (B2E) : 3443.1 eV = 0.4 nm

Peak Field Bz: 0.20321 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.08 mm Delta Bz/Bz : 2.9 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : -15.821 G/m

Bz Taper : 14.796 G/m

Krms : 0.311

V Dipole : -25.8 G cm

Iz(coil) : -24.3 G cm

Pred. C.C. currents

V Quadrupole : -1.5 G

$$I_z(\text{BzC}): -24.4 \text{ Gcm} \quad I_z(\text{Bz}) : 3.7 \text{ G cm}$$

I1 : -0.8341 A

V Sextupole : 423.4 G/cm

I_x(coil) : -34.2 G cm

I2 : -4.0985 A

$$I_x(BxC) : -34.2 \text{ Gcm} \quad I_x(Bx) : 334.5 \text{ G cm}$$

H Dipole : -27.0 G cm

$$\Pi_X(sB_X) : 1.2035 \text{ G m}^2$$

I3 : 4.8221 A

H Quadrupole : 149.2 G

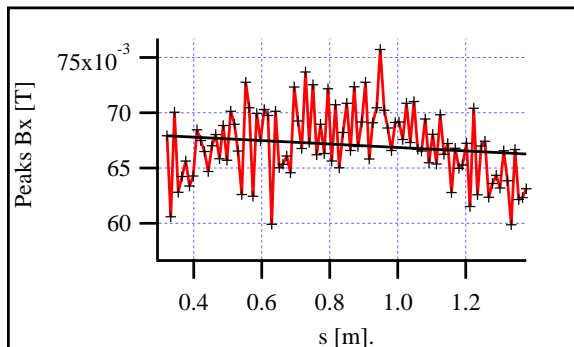
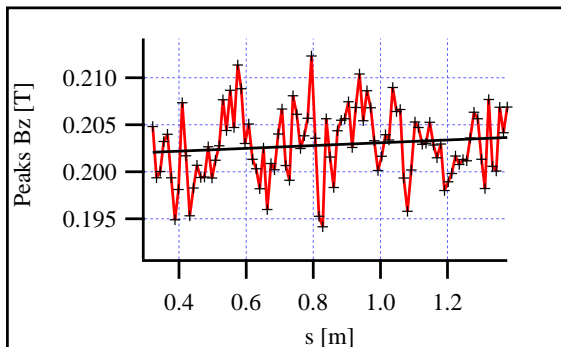
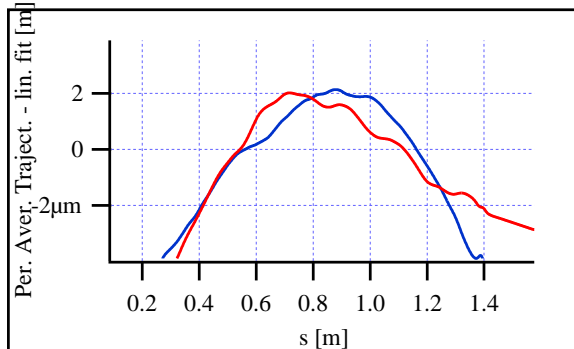
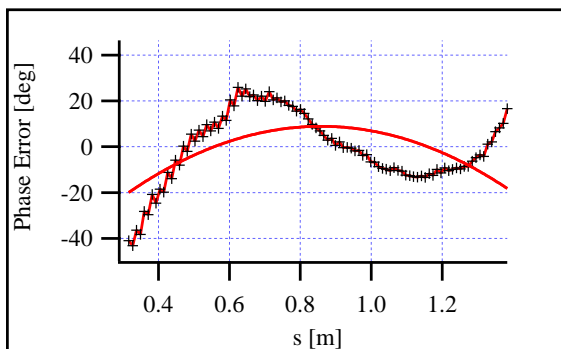
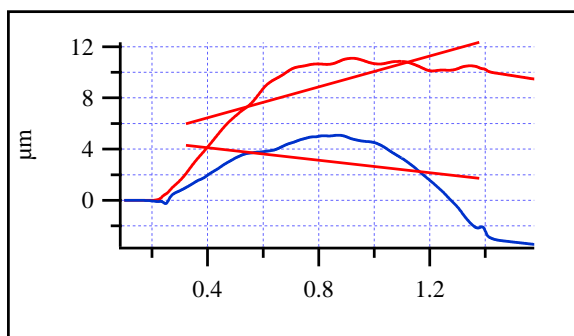
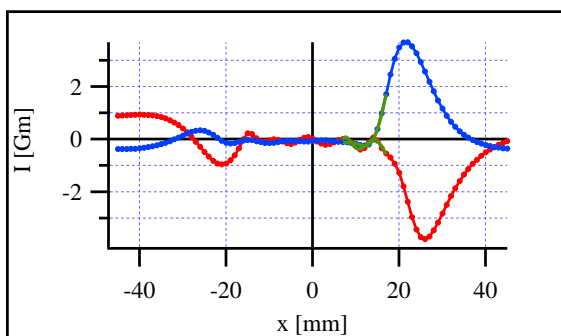
$$\mu_z(sBz): -0.1624 \text{ G m}^2$$

I4 : 4.1378 A

H Sextupole : 278.6 G/cm

BzTrj RMS dev. : 1.8 um

BxTrj RMS dev. : 1.5 um



Kyma Srl

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