

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz349,Bx349,Izmes13,Ixmes13

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : -1 Peak Field Bx: 0.07199 T

RMS Phase Error : 9.32 deg

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 4.1 %

Peak Field Bz: 0.53066 T

Fund. En. (B2E) :  $2383.5 \text{ eV} = 0.5 \text{ nm}$ 

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.04 mm

Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -0.561 G/m

Bz Taper : 11.769 G/m

V Dipole : -30.9 G cm

Iz(coil) : -28.6 G cm

Pred. C.C. currents

V Quadrupole : -18.7 G

$$I_z(\text{BzC}): -28.6 \text{ Gcm} \quad I_z(\text{Bz}): 23.6 \text{ G cm}$$

I1 : -1.0441 A

V Sextupole : 282.8 G/cm

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

I2 : -4.3606 A

$$I_x(B_xC) : -26.7 \text{ Gcm} \quad I_x(B_x) : 627.7 \text{ G cm}$$

H Dipole : -9.3 G cm

$$\Pi_X(sB_X) : 1.2090 \text{ G m}^2$$

I3 : 4.9336 A

H Quadrupole : 245.9 G

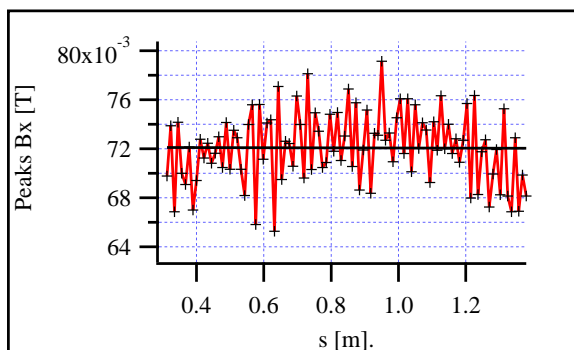
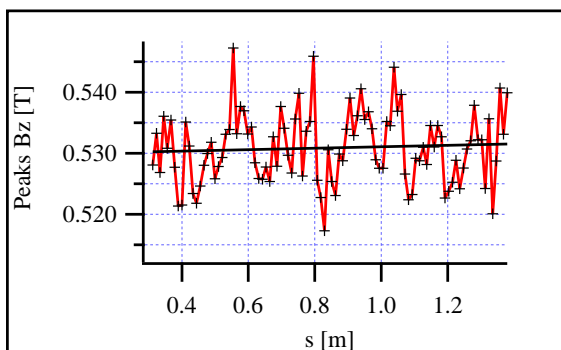
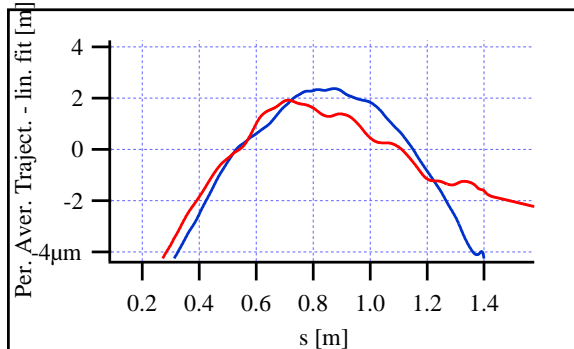
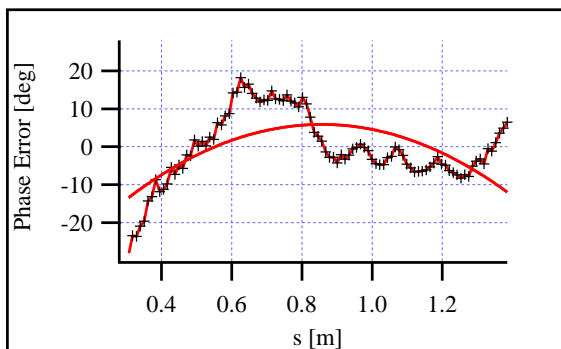
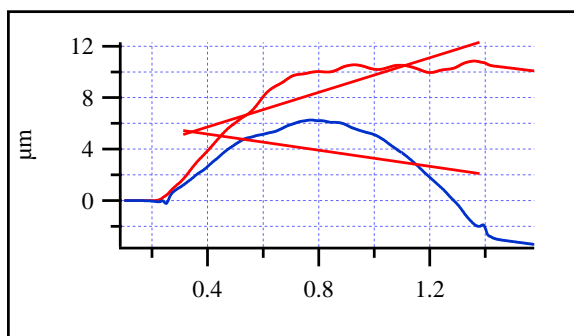
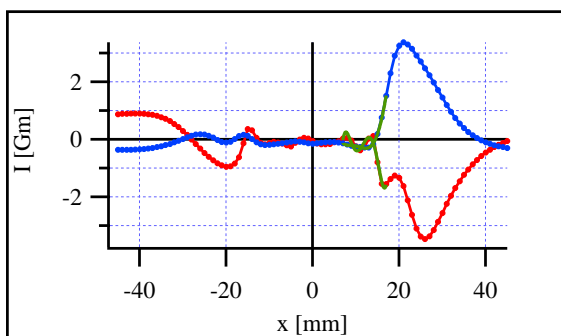
$$\mu_z(sBz): -0.1259 \text{ G m}^2$$

I4 : 3.6171 A

H Sextupole : -429.0 G/cm

BzTrj RMS dev. : 2.0 um

BxTrj RMS dev. : 1.4 um



Kyma Srl

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