

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz355,Bx355,Izmes19,Ixmes19

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : -1 Peak Field Bx: 0.10296 T

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 2.8 %

Peak Field Bz: 0.36832 T

Undulator Period : 22.00+-0.06 mm

e-beam energy : 3 GeV

Bx Taper : -3.666 G/m

Krms : 0.556

V Dipole : -32.1 G cm

V Quadrupole : -20.9 G

V Sextupole : 281.5 G/cm

Iz(coil) : -29.4 G cm

$$I_z(\text{BzC}): -29.4 \text{ Gcm} \quad I_z(\text{Bz}): 13.3 \text{ G cm}$$

$I_x(\text{coil}) : -32.9 \text{ G cm}$

$$I_x(B_xC) : -32.9 \text{ Gcm} \quad I_x(B_x) : 321.5 \text{ G cm}$$

H Dipole : -15.5 G cm

H Quadrupole : 240.5 G

H Sextupole : -416.2 G/cm

$$\Pi_X(sB_X) : 1.1994 \text{ G m}^2$$
$$\mu_z(sBz): -0.1261 \text{ G m}^2$$

BzTrj RMS dev. : 2.0 um

BxTrj RMS dev. : 1.4 um

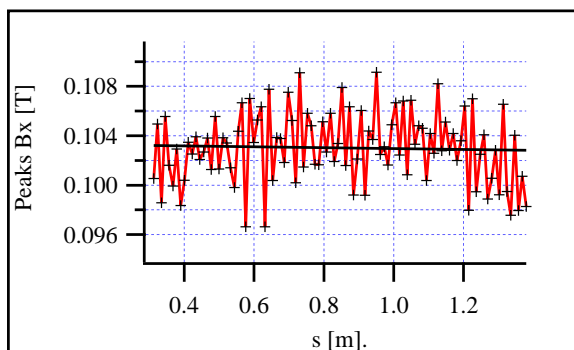
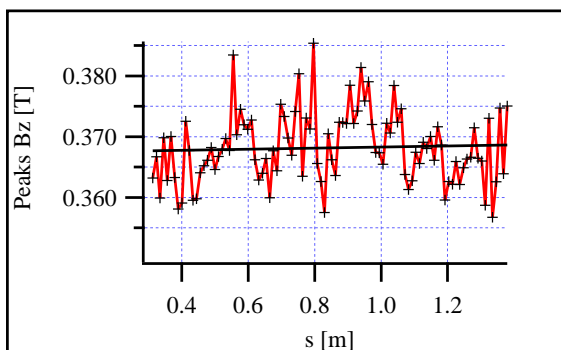
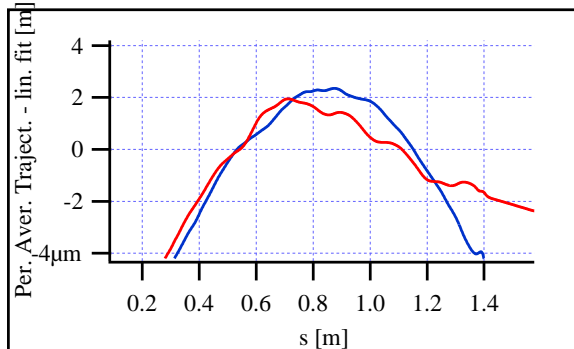
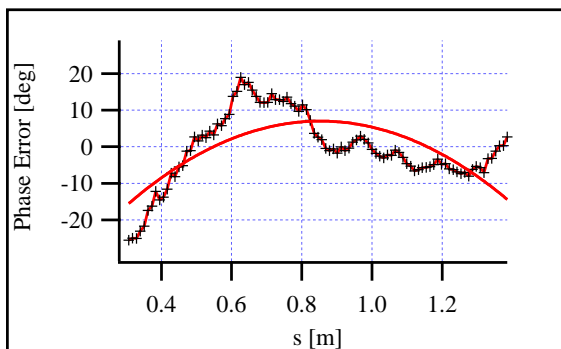
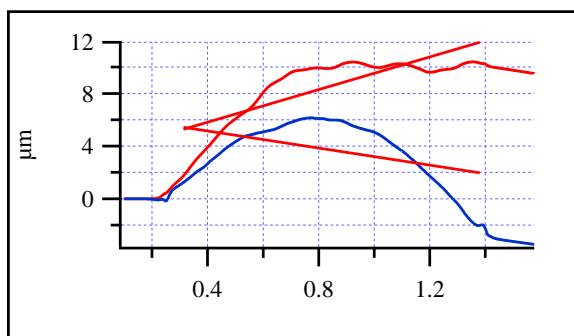
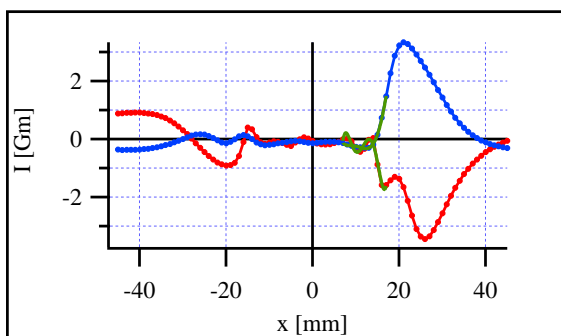
Pred. C.C. currents

I1 : -0.7984 A

I2 : -4.1864 A

I3 : 5.1228 A

I4 : 3.7376 A



Kyma Srl

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