

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz125,Bx125,Izmes5,Ixmes5

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : -1 Peak Field Bx: 0.01401 T

RMS Phase Error : 4.64 deg

Taper [mm] : 0    Hall X [mm]: 5    Delta Bx/Bx : 9.1 %

Peak Field Bz: 0.77328 T

Fund. En. (B2E) :  $1708.8 \text{ eV} = 0.7 \text{ nm}$ 

Delta Bz/Bz : 1.3 %

Peaks used : 102

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Bx Taper : -3.313 G/m

Bz Taper : -21.914 G/m

Krms : 1.124

V Dipole : -14.8 G cm

Iz(coil) : -14.9 G cm

Pred. C.C. currents

V Quadrupole : -9.0 G

$$I_z(\text{BzC}): -14.9 \text{ Gcm} \quad I_z(\text{Bz}): 78.3 \text{ G cm}$$

I1 : -0.4220 A

V Sextupole : -67.0 G/cm

$I_x(\text{coil}) : -8.8 \text{ G cm}$

I2 : -1.2781 A

$$I_x(B_x C) : -8.9 \text{ G cm} \quad I_x(B_x) : 328.2 \text{ G cm}$$

H Dipole : -9.1 G cm

$$\Pi_X(sB_X) : 0.3849 \text{ G m}^2$$

I3 : 2.1529 A

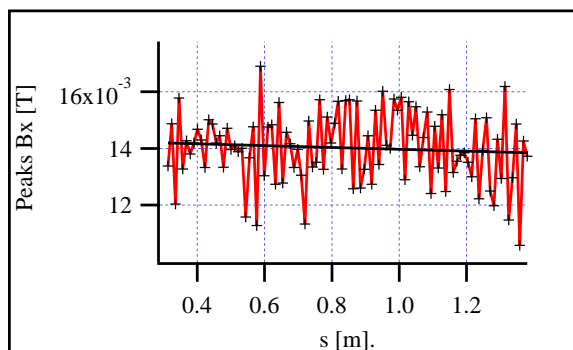
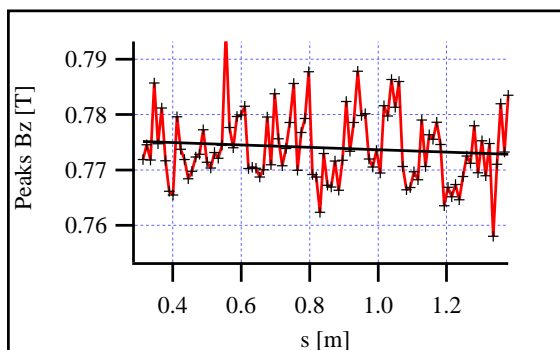
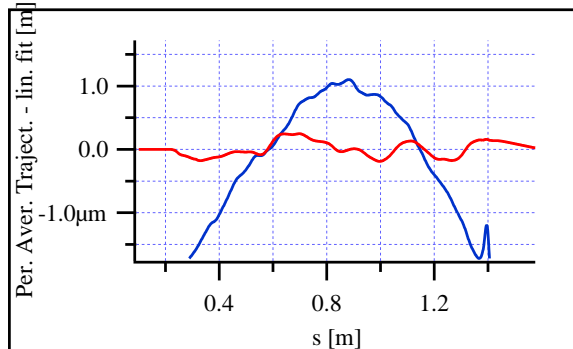
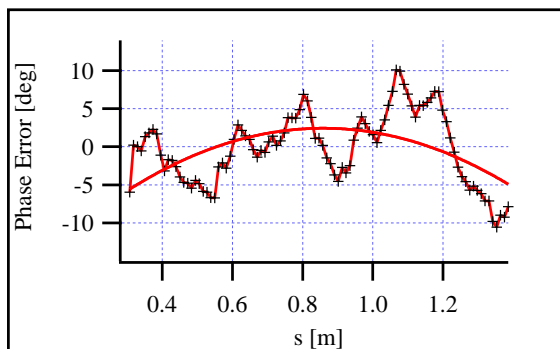
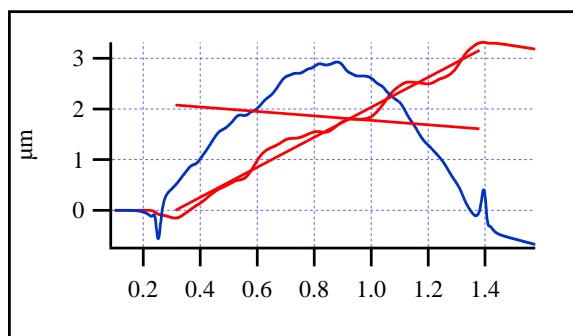
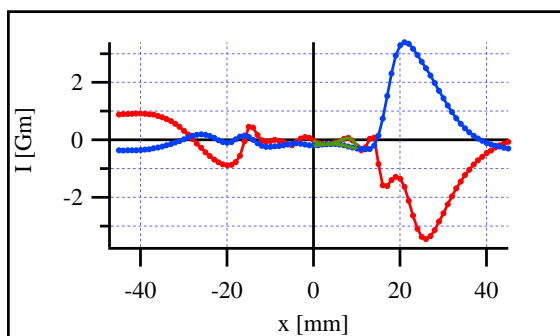
H Quadrupole : 52.9 G

$$\Pi_z(\text{sBz}): 0.0445 \text{ G m}^2$$

I4 : 0.5897 A

H Sextupole : 90.4 G/cm

BzTrj RMS dev. : 0.8 um



Kyma Srl

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