

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz295,Bx295,Izmes14,Ixmes14

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : 0 Peak Field Bx: 0.02068 T

RMS Phase Error : 3.51 deg

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 9.1 %

Peak Field Bz: 0.55283 T

Fund. En. (B2E) : 2342.3 eV = 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.3 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 9.679 G/m

Bz Taper : -13.380 G/m

V Dipole : -10.8 G cm

Iz(coil) : -10.7 G cm

Pred. C.C. currents

V Quadrupole : 55.2 G

$$I_z(\text{BzC}): -10.7 \text{ Gcm} \quad I_z(\text{Bz}): 4.7 \text{ G cm}$$

I1 : -1.2369 A

V Sextupole : 50.1 G/cm

$I_x(\text{coil}) : 23.3 \text{ G cm}$

I2 : -1.6217 A

H Dipole : 8.2 G cm

$$\Pi_X(sB_X) : 0.2577 \text{ G m}^2$$

I3 : 0.7305 A

H Quadrupole : -111.7 G

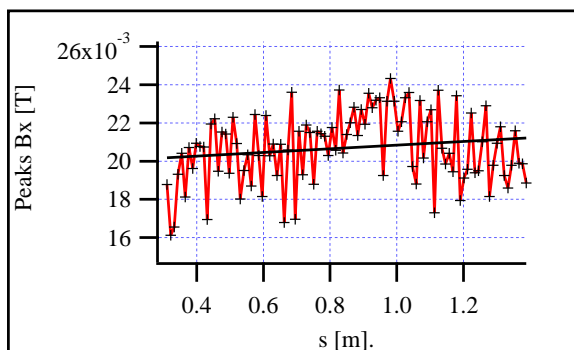
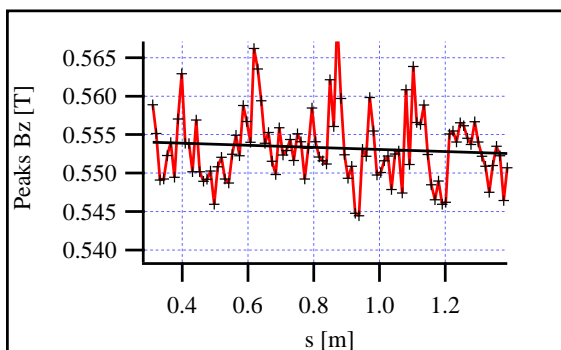
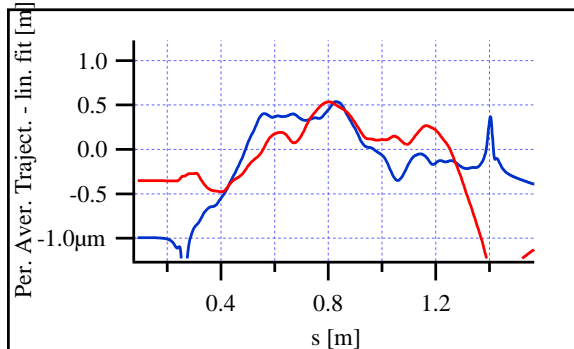
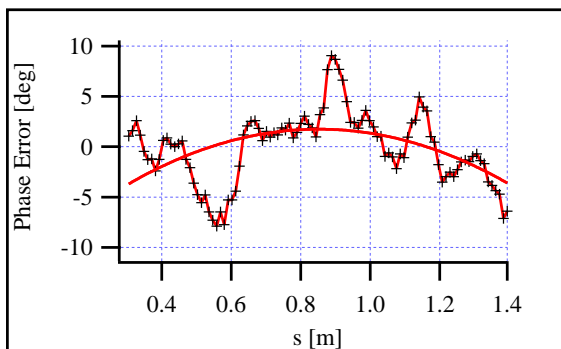
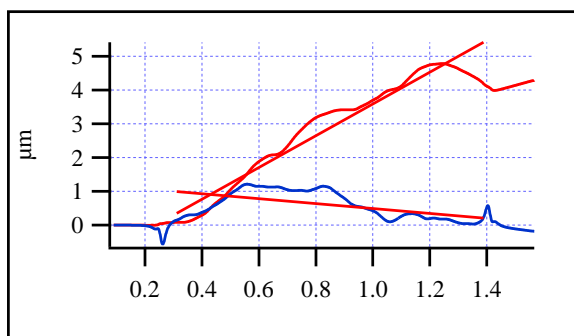
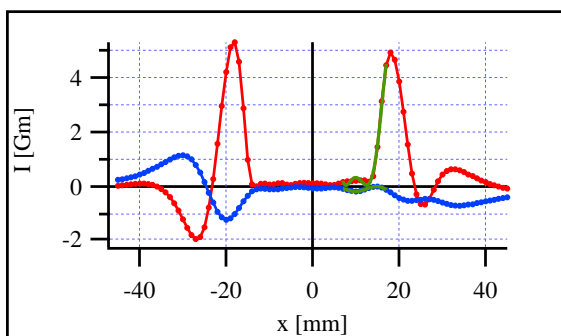
$$\Pi_Z(\text{sBz}): 0.0605 \text{ G m}^2$$

I4 : -0.6149 A

H Sextupole : 882.6 G/cm

BzTrj RMS dev. : 0.3 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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