

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz359,Bx359,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : -1 Peak Field Bx: 0.11148 T

RMS Phase Error : 7.48 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 5.3 %

Fund. En. (B2E) : 3469.3 eV = 0.4 nm

Peak Field Bz: 0.20399 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 21.99+-0.09 mm Delta Bz/Bz : 9.6 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : -17.807 G/m

Bz Taper : -13.238 G/m

Krms : 0.338

V Dipole : -27.1 G cm

Iz(coil) : -24.3 G cm

Pred. C.C. currents

V Quadrupole : 206.7 G

$$I_z(\text{BzC}): -24.3 \text{ G cm} \quad I_z(\text{Bz}): -19.6 \text{ G cm}$$

I1 : -0.5183 A

V Sextupole : -607.9 G/cm

$I_x(\text{coil}) : 36.8 \text{ G cm}$

I2 : -0.6290 A

$$I_x(B_xC) : 36.8 \text{ Gcm} \quad I_x(B_x) : -38.3 \text{ G cm}$$

H Dipole : 12.6 G cm

$$\Pi_X(sB_X) : -0.1771 \text{ G m}^2$$

I3 : 0.3196 A

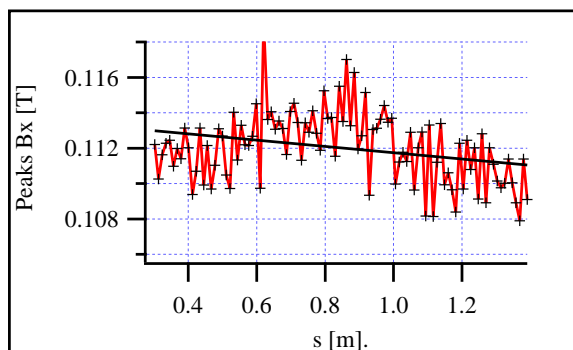
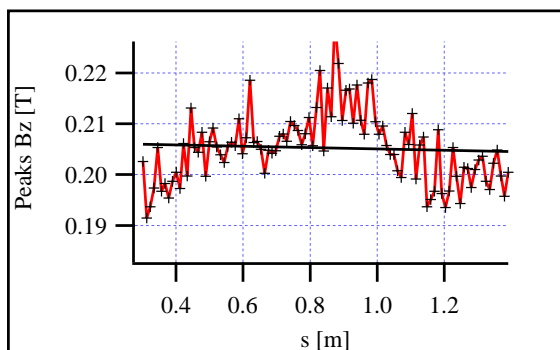
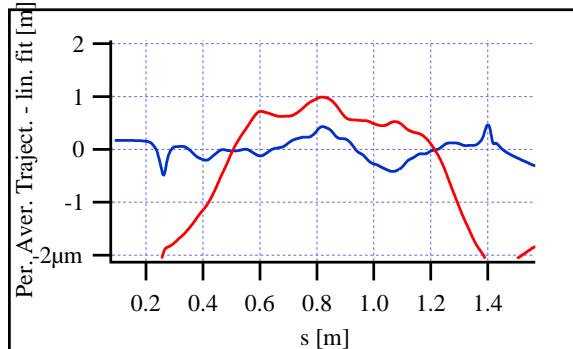
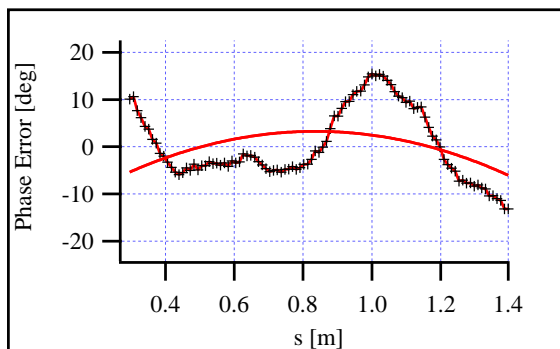
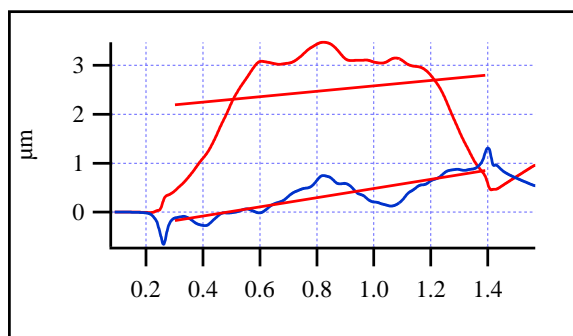
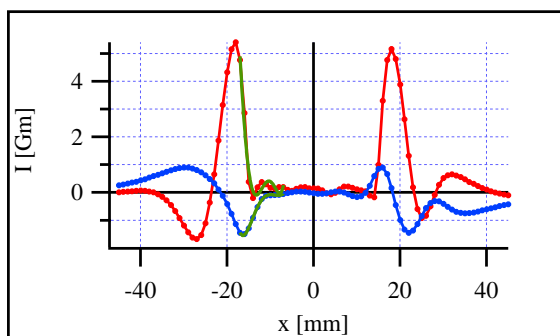
H Quadrupole : 265.2 G

 $\Pi_z(sB_z): 0.2341 \text{ G m}^2$ 

I4 : -3.5108 A

H Sextupole : 74.0 G/cm

BzTrj RMS dev. : 0.2 um



Kyma Srl

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