

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz171,Bx171,Izmes6,Ixmes6

Gap [mm] : 200

Phase [mm] : 1    Hall Z [mm] : 0    Peak Field Bx: 0.00747 T

RMS Phase Error : 2.68 deg

Taper [mm] : 0    Hall X [mm]: -5    Delta B<sub>x</sub>/B<sub>x</sub> : 10.2 %

Fund. En. (B2E) : 1947.6 eV = 0.6 nm

Peak Field Bz: 0.68254 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.3 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.368 G/m

Bz Taper : -12.039 G/m

Krms : 0.992

V Dipole : -4.7 G cm

Iz(coil) : -4.7 G cm

Pred. C.C. currents

V Quadrupole : 15.7 G

$$I_z(\text{BzC}): -4.7 \text{ Gcm} \quad I_z(\text{Bz}): 44.4 \text{ G cm}$$

I1 : 0.5627 A

V Sextupole : -36.4 G/cm

Ix(coil) : 3.8 G cm

I2 : -1.3366 A

$$I_x(BxC) : 3.9 \text{ Gcm} \quad I_x(Bx) : 272.1 \text{ G cm}$$

H Dipole : 6.3 G cm

$$\Pi_X(sB_X) : 0.0948 \text{ G m}^2$$

I3 : -0.4086 A

H Quadrupole : 0.0 G

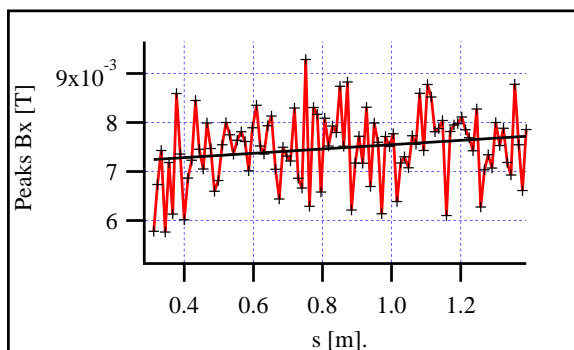
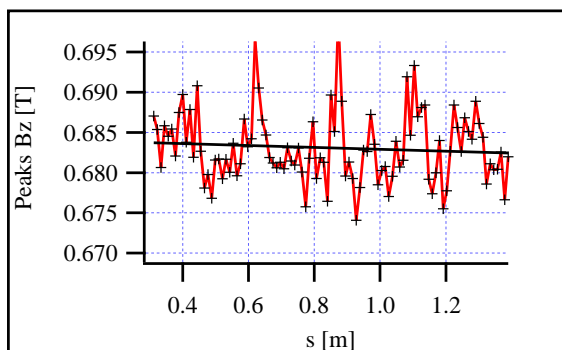
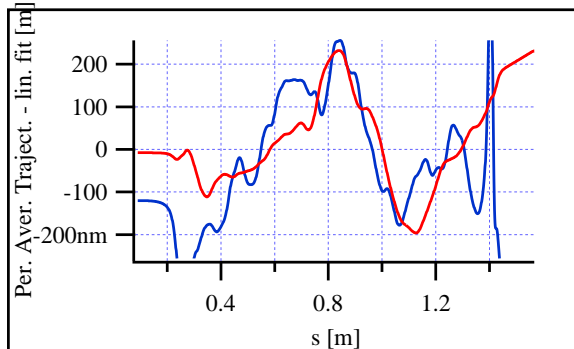
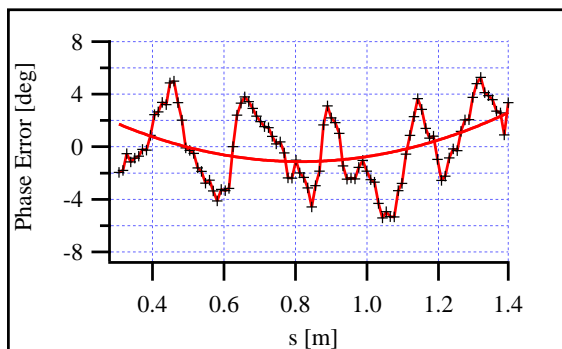
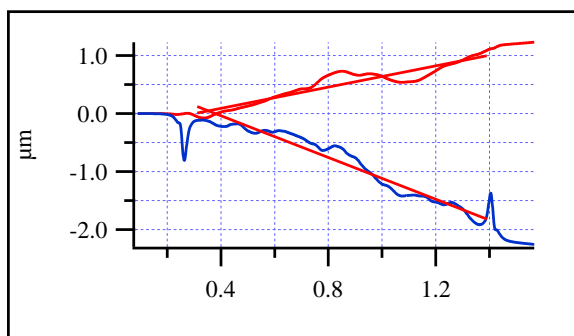
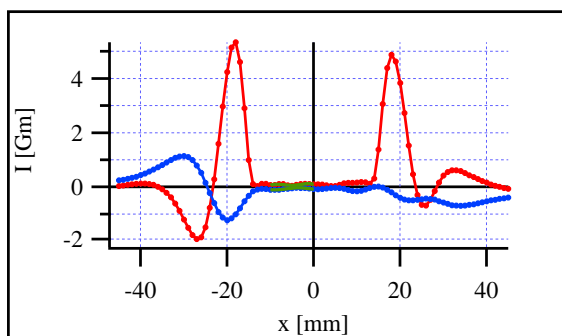
 $\Pi_z(\text{sBz}): -0.1911 \text{ G m}^2$ 

I4 : 0.7289 A

H Sextupole : 70.7 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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