

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz179,Bx179,Izmes22,Ixmes22

Gap [mm] : 200

Phase [mm] : 5    Hall Z [mm] : 0    Peak Field Bx: 0.00879 T

RMS Phase Error : 2.24 deg

Taper [mm] : 0    Hall X [mm]: -5    Delta Bx/Bx : 9.3 %

Peak Field Bz: 0.51093 T

Fund. En. (B2E) : 2499.4 eV = 0.5 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.2 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.258 G/m

Bz Taper : -13.462 G/m

V Dipole : -2.3 G cm

Iz(coil) : -2.5 G cm

Pred. C.C. currents

V Quadrupole : 18.2 G

$$I_z(\text{BzC}): -2.5 \text{ Gcm} \quad I_z(\text{Bz}) : 29.4 \text{ G cm}$$

I1 : 0.7184 A

V Sextupole : -37.7 G/cm

Ix(coil) : 3.9 G cm

I2 : -1.4944 A

$$I_x(B_xC) : 3.9 \text{ Gcm} \quad I_x(B_x) : 882.1 \text{ G cm}$$

H Dipole : 6.6 G cm

$$\Pi_X(sB_X) : 0.0950 \text{ G m}^2$$

I3 : -0.7441 A

H Quadrupole : 3.9 G

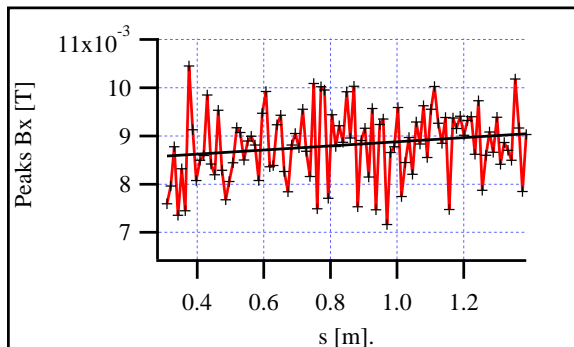
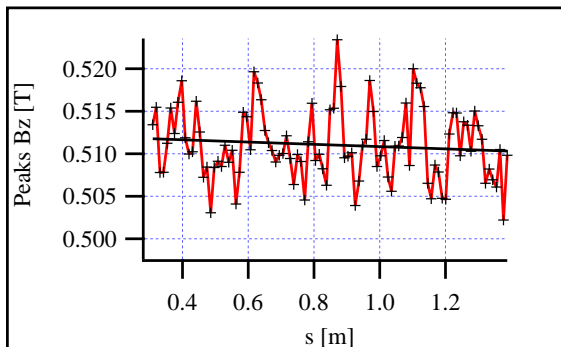
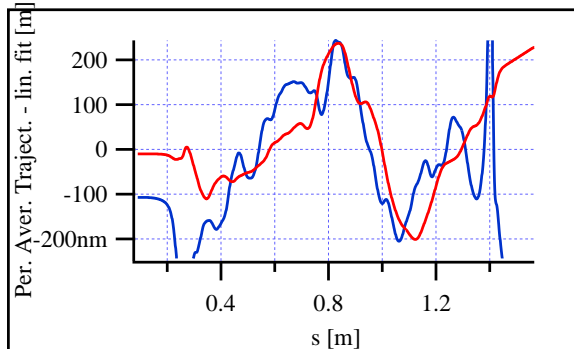
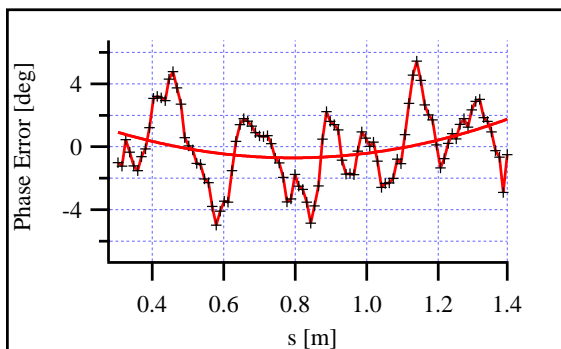
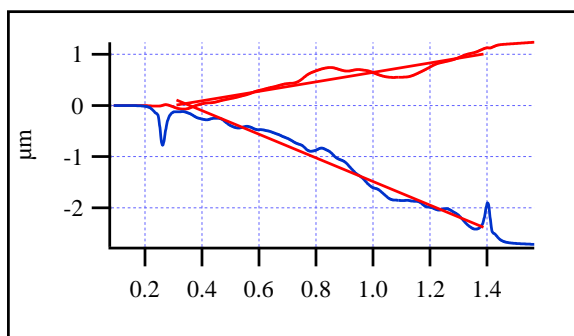
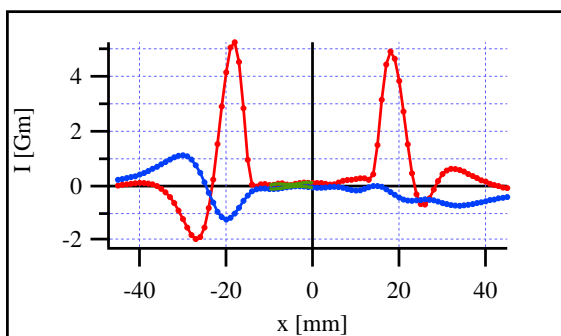
$$\Pi_z(\text{sBz}): -0.2531 \text{ G m}^2$$

I4 : 1.0645 A

H Sextupole : 67.1 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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