

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz369,Bx369,Izmes18,Ixmes18

Gap [mm] : 200

Phase [mm] : 4    Hall Z [mm] : 0    Peak Field Bx: 0.00149 T

RMS Phase Error : 2.61 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 74.9 %

Fund. En. (B2E) : 2483.2 eV = 0.5 nm

Peak Field Bz: 0.51175 T

Radiation wavelength (lin. fit): 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 : 4.879 G/m

Bz Taper : -18.428 G/m

Krms : 0.744

V Dipole : -8.6 G cm

Iz(coil) : -8.4 G cm

Pred. C.C. currents

V Quadrupole : 3.5 G

$$I_z(\text{BzC}): -8.4 \text{ Gcm} \quad I_z(\text{Bz}) : 16.6 \text{ G cm}$$

I1 : -0.1483 A

V Sextupole : -158.6 G/cm

$I_x(\text{coil}) : 9.0 \text{ G cm}$

I2 : 0.4671 A

$$I_x(BxC) : 9.0 \text{ Gcm} \quad I_x(Bx) : 634.1 \text{ G cm}$$

H Dipole : -6.3 G cm

$$\Pi_X(sB_X) : -0.1467 \text{ G m}^2$$

I3 : 0.3048 A

H Quadrupole : 144.1 G

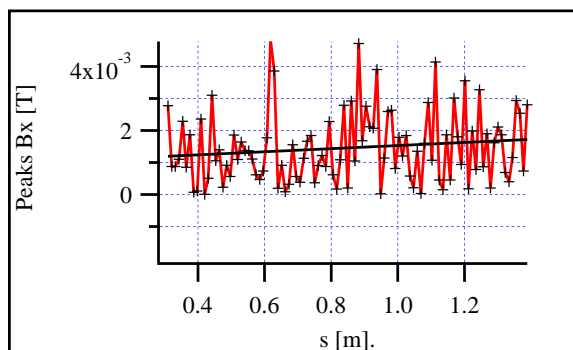
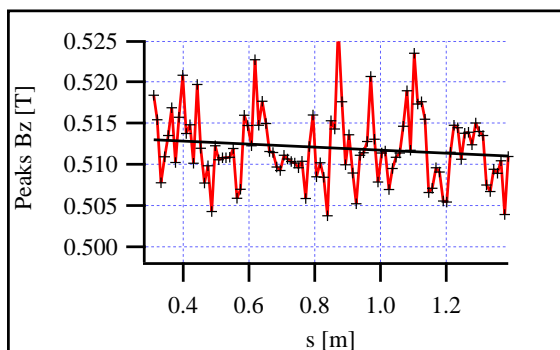
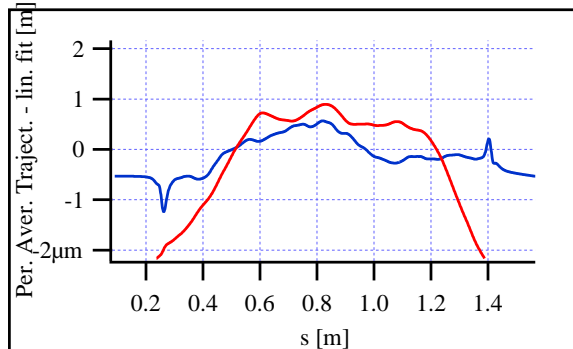
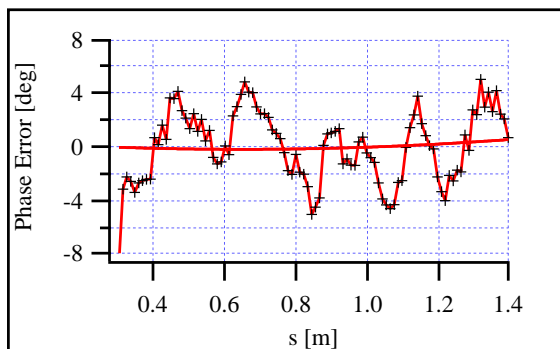
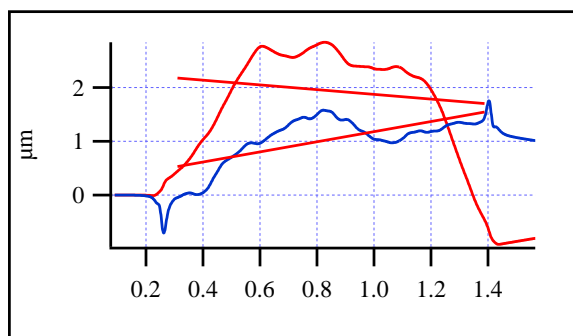
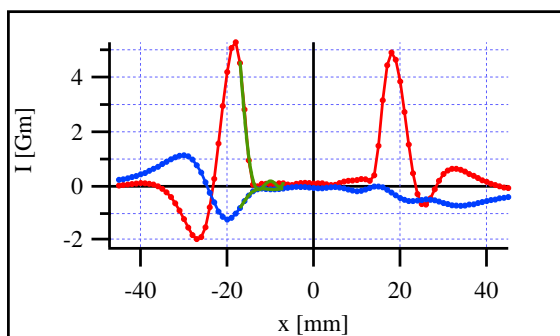
$$\Pi_z(\text{sBz}): 0.1637 \text{ G m}^2$$

I4 : -1.6800 A

H Sextupole : 615.0 G/cm

BzTrj RMS dev. : 0.3 um

BxTrj RMS dev. : 0.8 um



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