

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz289,Bx289,Izmes2,Ixmes2

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 0 Peak Field Bx: 0.01407 T

RMS Phase Error : 4.08 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 12.8 %

Fund. En. (B2E) : 2110.9 eV = 0.6 nm

Peak Field Bz: 0.63160 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.1 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 10.368 G/m

Bz Taper : -9.750 G/m

Krms : 0.918

V Dipole : -10.9 G cm

Iz(coil) : -11.0 G cm

Pred. C.C. currents

V Quadrupole : 56.4 G

Iz(BzC): -10.9 Gcm Iz(Bz) : 1.5 G cm

I1 : -1.3427 A

V Sextupole : 50.1 G/cm

Ix(coil) : 17.2 G cm

I2 : -1.2007 A

Ix(BxC) : 17.2 Gcm Ix(Bx) : 96.5 G cm

H Dipole : 2.2 G cm

Ilx(sBx) : 0.2651 G m^2

I3 : 1.2178 A

H Quadrupole : -116.4 G

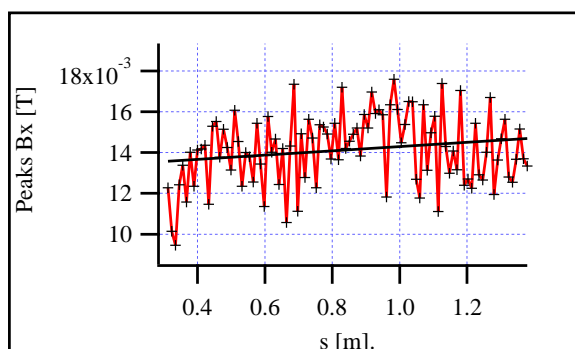
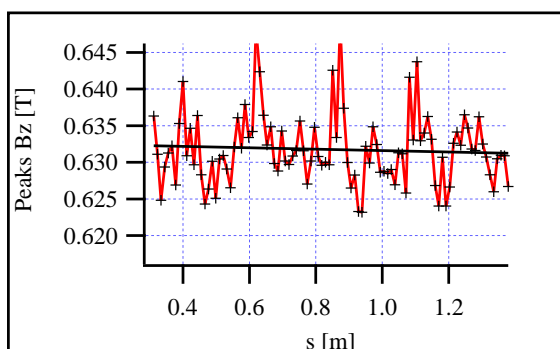
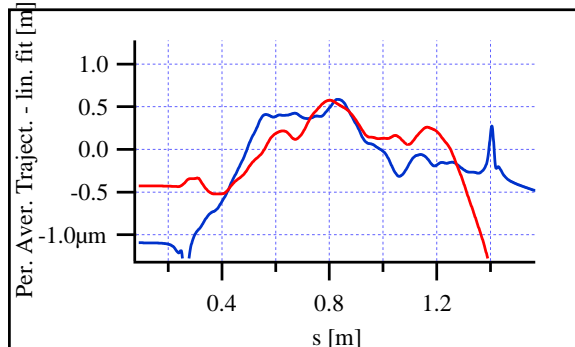
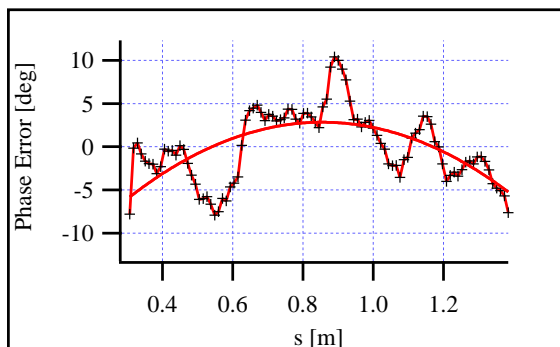
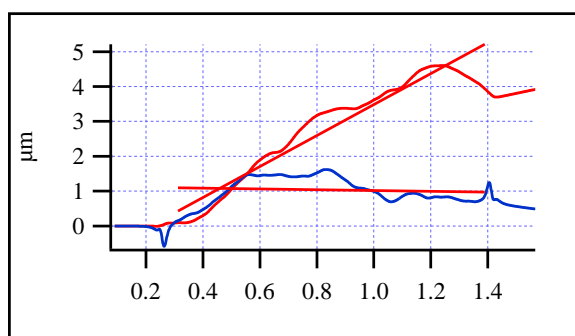
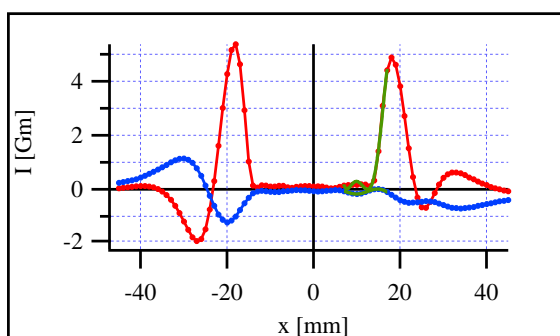
Ilz(sBz) : 0.1297 G m^2

I4 : -0.7011 A

H Sextupole : 906.3 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.4 um



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