

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz259,Bx259,Izmes39,Ixmes39

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : 1 Peak Field Bx: 0.00486 T

RMS Phase Error : 6.62 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 17.8 %

Fund. En. (B2E) : 3441.0 eV = 0.4 nm

Peak Field Bz: 0.24232 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.07 mm Delta Bz/Bz : 13.1 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : -2.513 G/m

Bz Taper : 1.597 G/m

Krms : 0.352

V Dipole : -0.3 G cm

Iz(coil) : -0.1 G cm

Pred. C.C. currents

V Quadrupole : -10.7 G

Iz(BzC): -0.1 Gcm Iz(Bz) : -2.4 G cm

I1 : 1.3832 A

V Sextupole : -90.6 G/cm

Ix(coil) : 2.0 G cm

I2 : -1.7181 A

Ix(BxC) : 2.0 Gcm Ix(Bx) : 424.1 G cm

H Dipole : 5.9 G cm

Ilx(sBx) : 0.0376 G m<sup>2</sup>

I3 : -1.4939 A

H Quadrupole : -13.2 G

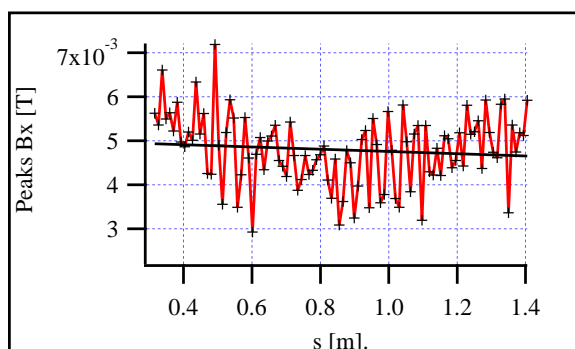
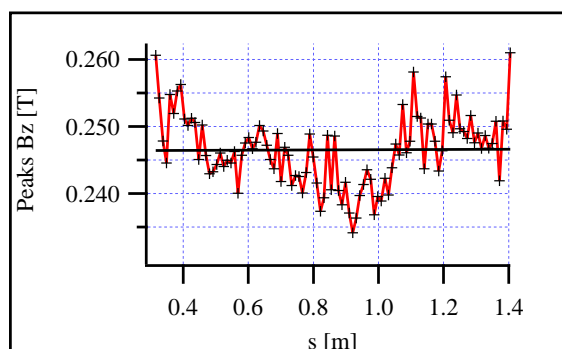
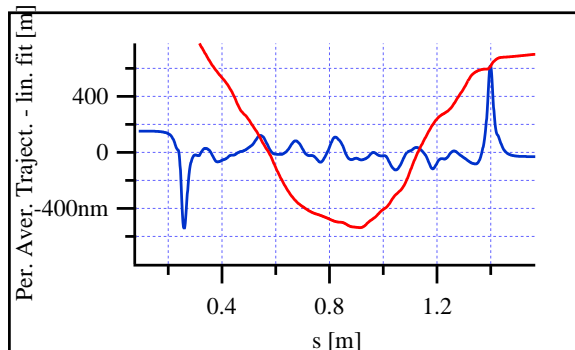
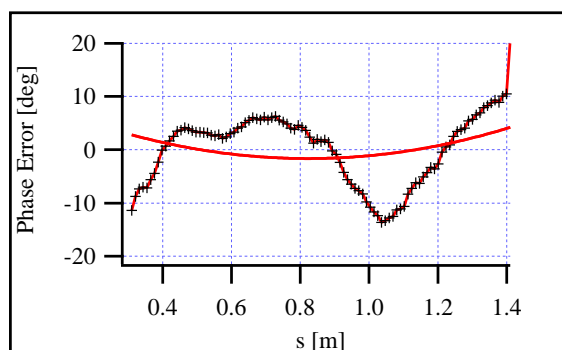
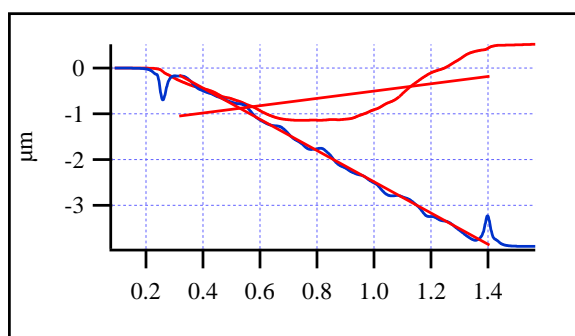
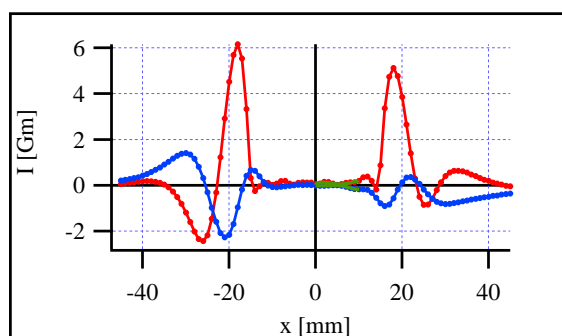
Ilz(sBz): -0.3895 G m<sup>2</sup>

I4 : 1.5928 A

H Sextupole : 97.4 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



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