

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz99,Bx99,Izmes5,Ixmes5

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : -1 Peak Field Bx: 0.00961 T

RMS Phase Error : 3.81 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 8.0 %

Fund. En. (B2E) : 1854.5 eV = 0.7 nm

Peak Field Bz: 0.71612 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 2.908 G/m

Bz Taper : -18.782 G/m

Krms : 1.041

V Dipole : -2.3 G cm

Iz(coil) : -2.0 G cm

Pred. C.C. currents

V Quadrupole : 15.3 G

Iz(BzC): -2.0 Gcm Iz(Bz) : 36.4 G cm

I1 : -0.1885 A

V Sextupole : -119.4 G/cm

Ix(coil) : 2.6 G cm

I2 : -0.4795 A

Ix(BxC) : 2.6 Gcm Ix(Bx) : 264.9 G cm

H Dipole : 4.1 G cm

Ilx(sBx) : 0.0890 G m^2

I3 : 0.1965 A

H Quadrupole : 96.1 G

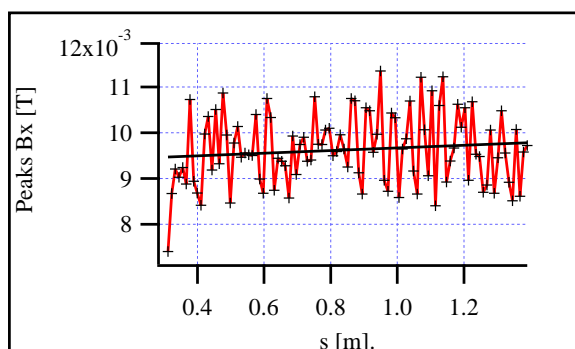
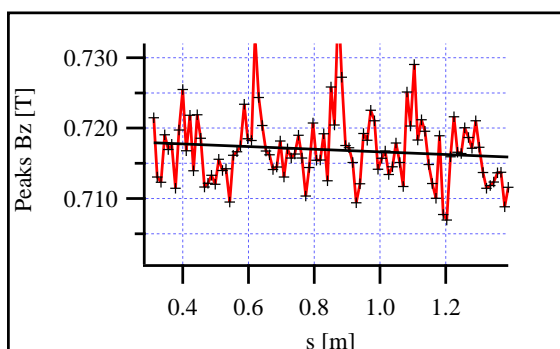
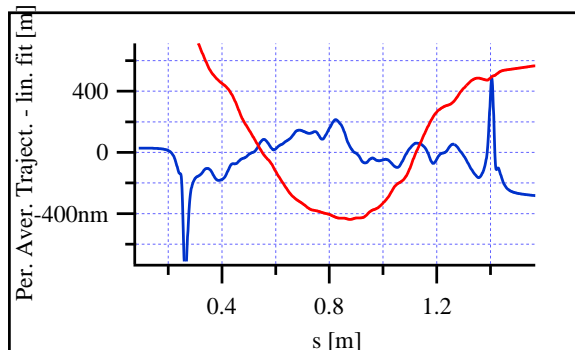
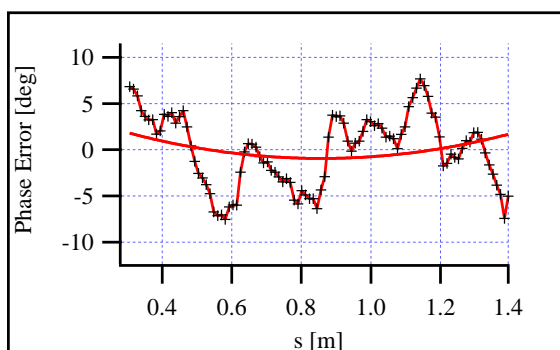
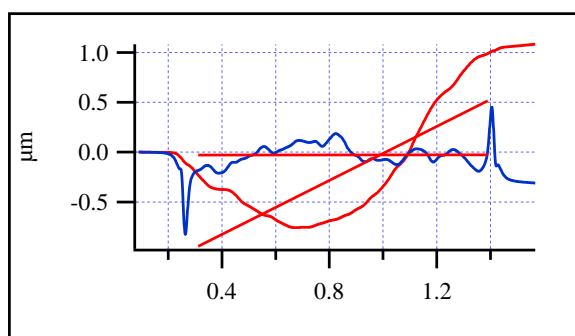
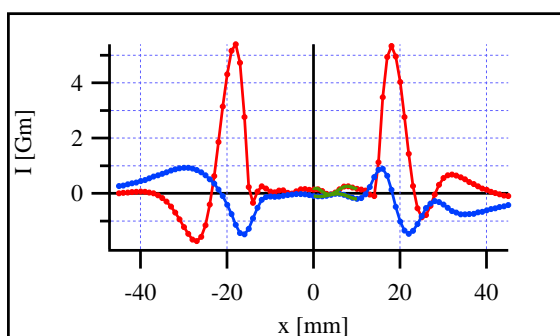
Ilz(sBz): -0.0162 G m^2

I4 : 0.1628 A

H Sextupole : 186.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



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