

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz49,Bx49,Izmes1,Ixmes1

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : -1 Peak Field Bx: 0.00436 T

RMS Phase Error : 3.56 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 17.6 %

Fund. En. (B2E) : 1838.4 eV = 0.7 nm

Peak Field Bz: 0.72357 T

Radiation wavelength (lin. fit): 0.7 nm

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

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 4.093 G/m

Bz Taper : -5.256 G/m

Krms : 1.051

V Dipole : -3.0 G cm

Iz(coil) : -3.2 G cm

Pred. C.C. currents

V Quadrupole : 22.6 G

Iz(BzC): -3.2 Gcm Iz(Bz) : 24.0 G cm

I1 : 0.6597 A

V Sextupole : -41.3 G/cm

Ix(coil) : 1.6 G cm

I2 : -1.2059 A

Ix(BxC) : 1.6 Gcm Ix(Bx) : 14.0 G cm

H Dipole : 6.6 G cm

Ilx(sBx) : 0.0786 G m²

I3 : -0.4910 A

H Quadrupole : 9.9 G

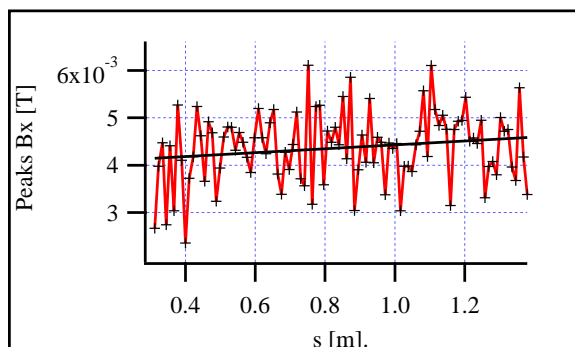
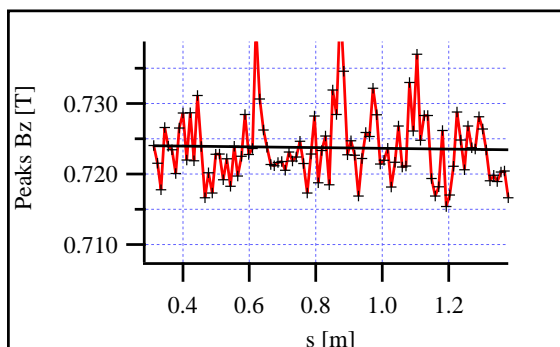
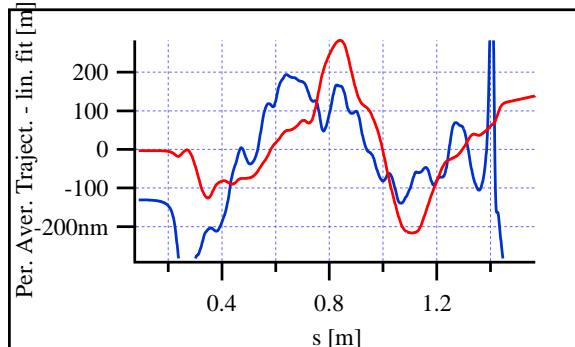
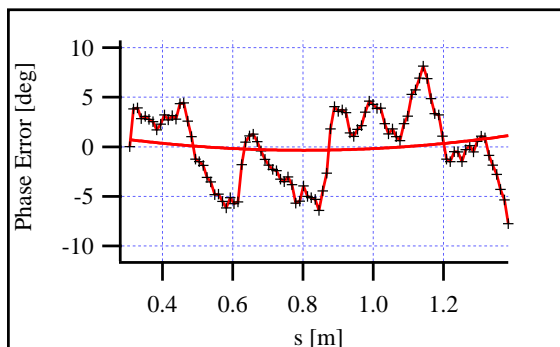
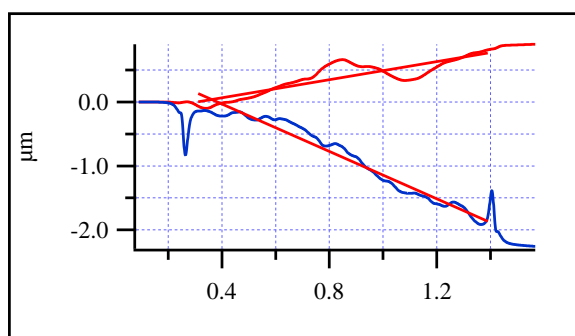
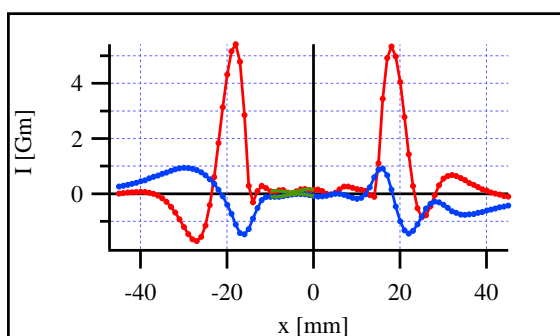
Ilz(sBz): -0.2020 G m²

I4 : 0.8519 A

H Sextupole : 101.7 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



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