

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz229,Bx229,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.00762 T

RMS Phase Error : 5.45 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 10.4 %

Fund. En. (B2E) : 2622.3 eV = 0.5 nm

Peak Field Bz: 0.48222 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.6 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 4.046 G/m

Bz Taper : -17.900 G/m

Krms : 0.701

V Dipole : -3.2 G cm

Iz(coil) : -3.4 G cm

Pred. C.C. currents

V Quadrupole : -10.3 G

Iz(BzC): -3.4 Gcm Iz(Bz) : 37.8 G cm

I1 : 0.7831 A

V Sextupole : 30.1 G/cm

Ix(coil) : 4.1 G cm

I2 : -0.8324 A

Ix(BxC) : 4.1 Gcm Ix(Bx) : 895.5 G cm

H Dipole : 8.0 G cm

Ilx(sBx) : -0.0337 G m<sup>2</sup>

I3 : -0.7486 A

H Quadrupole : 11.1 G

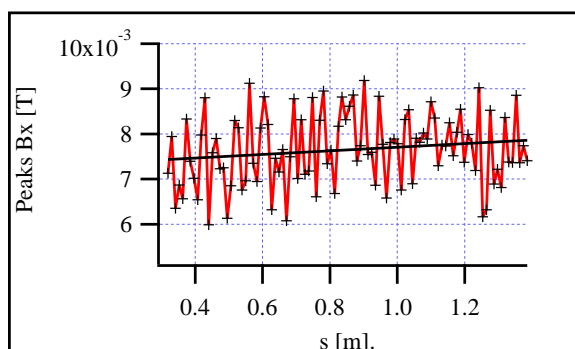
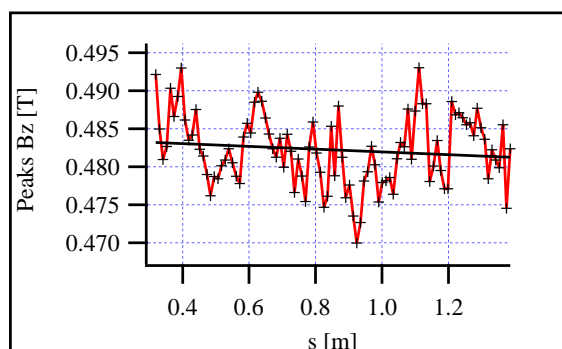
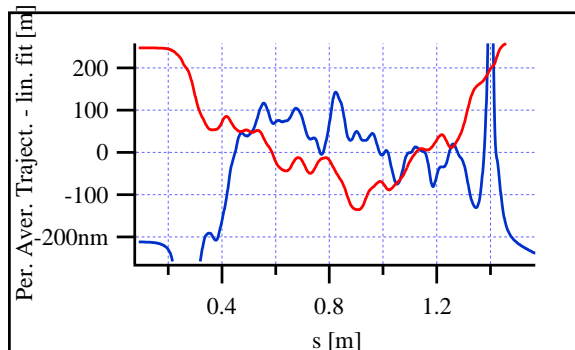
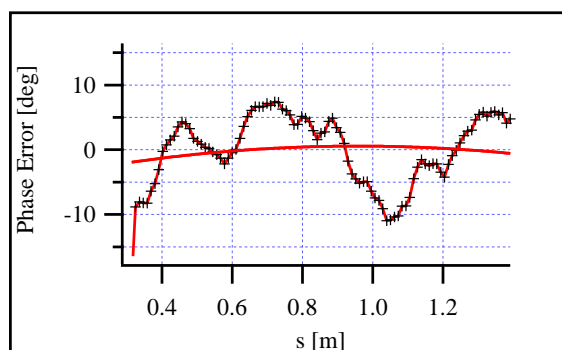
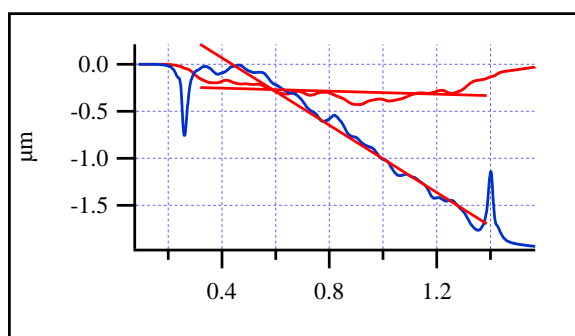
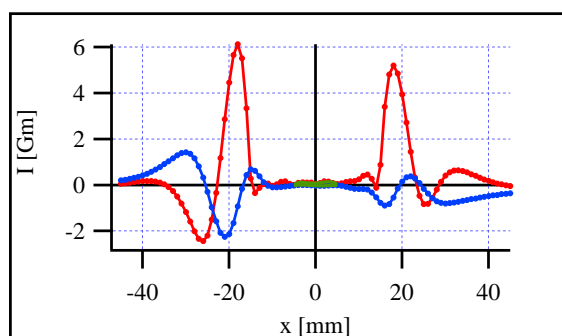
Ilz(sBz) : -0.1683 G m<sup>2</sup>

I4 : 0.3105 A

H Sextupole : 96.2 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



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