

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz247,Bx247,Izmes15,Ixmes15

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : 1 Peak Field Bx: 0.00503 T

RMS Phase Error : 5.37 deg

Taper [mm] : 0 Hall X [mm] : 5 Delta Bx/Bx : 17.0 %

Fund. En. (B2E) : 2043.4 eV = 0.6 nm

Peak Field Bz: 0.65283 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.3 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.202 G/m

Bz Taper : -7.381 G/m

Krms : 0.949

V Dipole : -3.0 G cm

Iz(coil) : -2.8 G cm

Pred. C.C. currents

V Quadrupole : -9.4 G

Iz(BzC) : -2.8 Gcm Iz(Bz) : 44.2 G cm

I1 : 0.4603 A

V Sextupole : -96.4 G/cm

Ix(coil) : 4.3 G cm

I2 : -1.2541 A

Ix(BxC) : 4.3 Gcm Ix(Bx) : 690.8 G cm

H Dipole : 8.2 G cm

Ilx(sBx) : 0.0932 G m<sup>2</sup>

I3 : -0.4912 A

H Quadrupole : -19.3 G

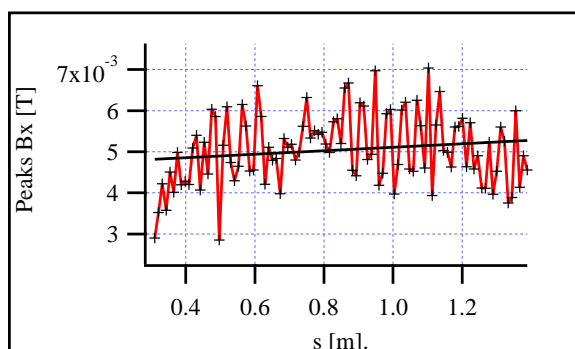
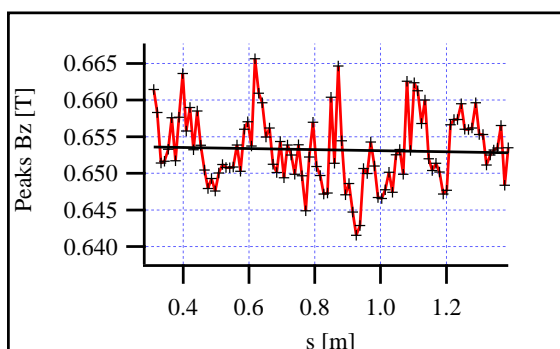
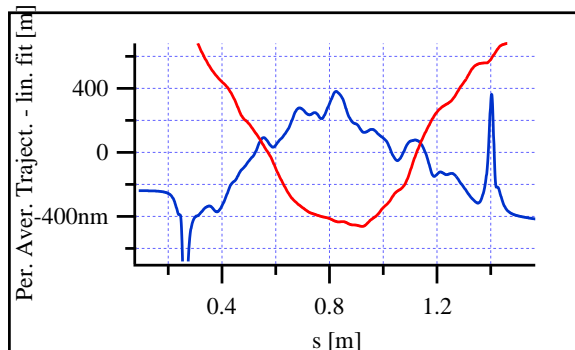
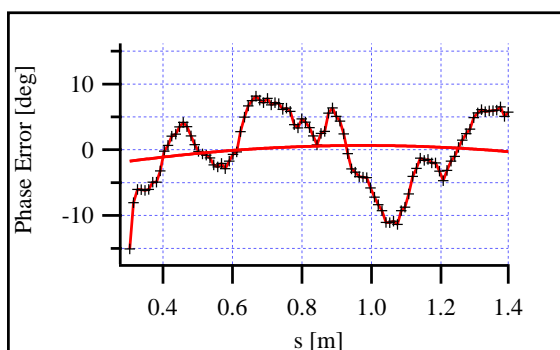
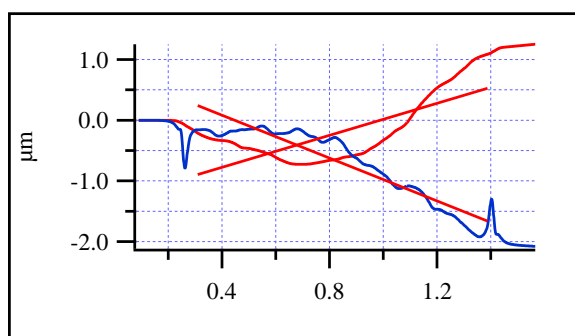
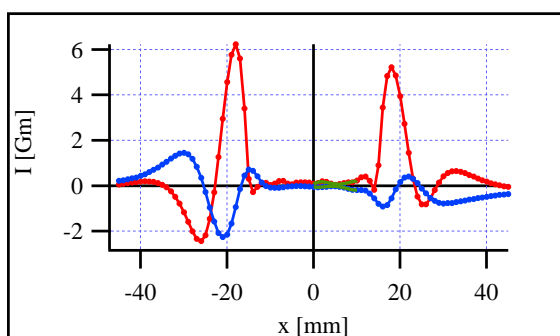
Ilz(sBz) : -0.1875 G m<sup>2</sup>

I4 : 0.7730 A

H Sextupole : 105.6 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.4 um



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