

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz393,Bx393,Izmes19,Ixmes19

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : 1 Peak Field Bx: 0.03989 T

RMS Phase Error : 6.69 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 5.0 %

Fund. En. (B2E) : 2370.4 eV = 0.5 nm

Peak Field Bz: 0.54250 T

Radiation wavelength (lin. fit): 0.5 nm

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

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : -1.296 G/m

Bz Taper : -31.959 G/m

Krms : 0.790

V Dipole : 16.1 G cm

Iz(coil) : 12.6 G cm

Pred. C.C. currents

V Quadrupole : -225.9 G

Iz(BzC): 12.6 Gcm Iz(Bz) : 38.0 G cm

I1 : 0.4365 A

V Sextupole : 277.6 G/cm

Ix(coil) : 11.5 G cm

I2 : -0.3923 A

Ix(BxC) : 11.5 Gcm Ix(Bx) : 625.7 G cm

H Dipole : -12.2 G cm

Ilx(sBx) : -0.1251 G m<sup>2</sup>

I3 : -2.1371 A

H Quadrupole : 307.5 G

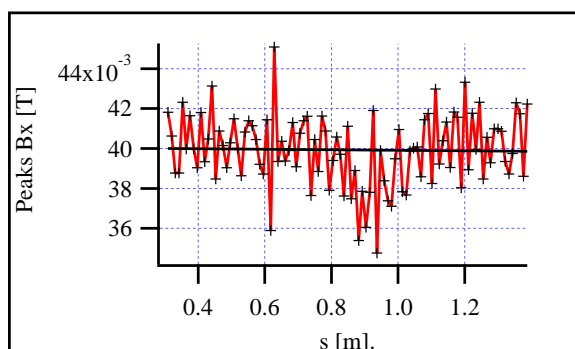
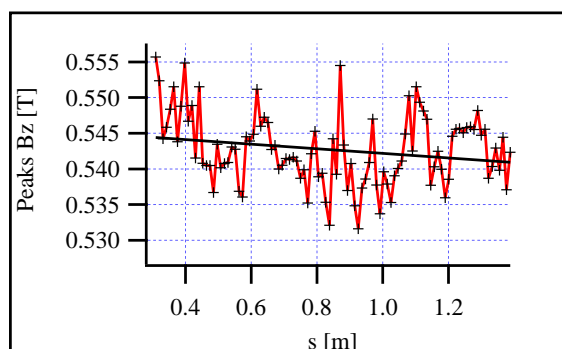
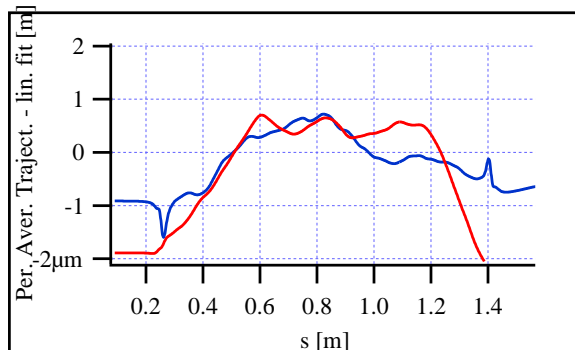
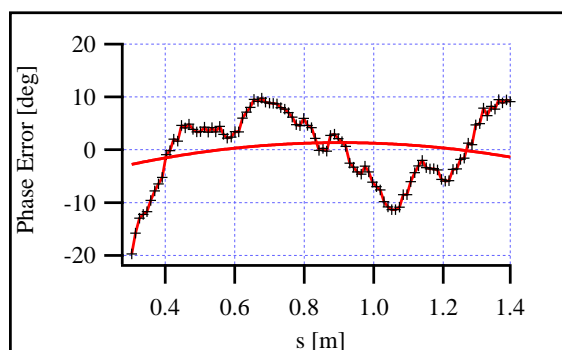
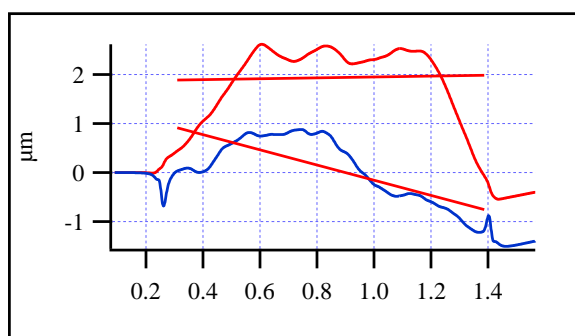
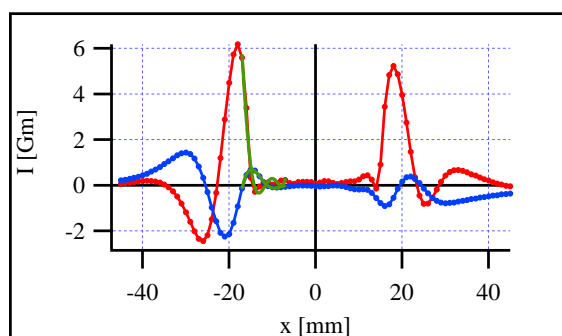
Ilz(sBz) : -0.2331 G m<sup>2</sup>

I4 : 0.7378 A

H Sextupole : 385.9 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



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