

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz97,Bx97,Izmes1,Ixmes1

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : -1 Peak Field Bx: 0.00895 T

RMS Phase Error : 3.59 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 8.7 %

Fund. En. (B2E) : 1832.1 eV = 0.7 nm

Peak Field Bz: 0.72688 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 : 3.170 G/m

Bz Taper : -1.019 G/m

Krms : 1.056

V Dipole : -0.7 G cm

Iz(coil) : -0.5 G cm

Pred. C.C. currents

V Quadrupole : 15.4 G

Iz(BzC): -0.5 Gcm Iz(Bz) : 43.1 G cm

I1 : -0.0008 A

V Sextupole : -119.1 G/cm

Ix(coil) : 3.5 G cm

I2 : -0.7253 A

Ix(BxC) : 3.5 Gcm Ix(Bx) : 11.2 G cm

H Dipole : 5.0 G cm

Ilx(sBx) : 0.0905 G m²

I3 : -0.1604 A

H Quadrupole : 96.8 G

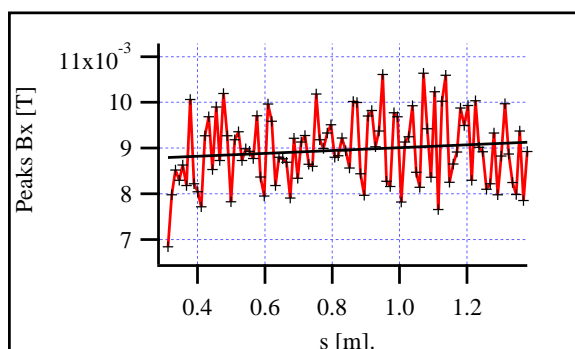
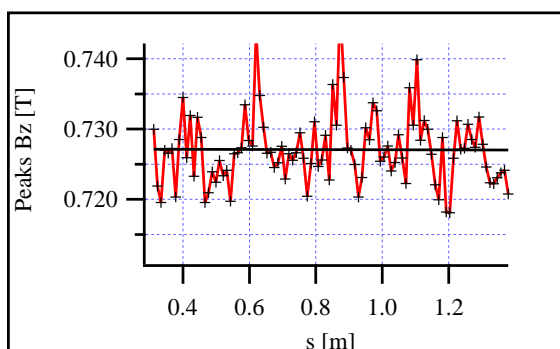
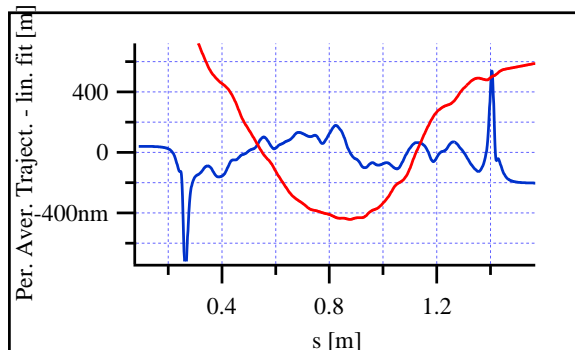
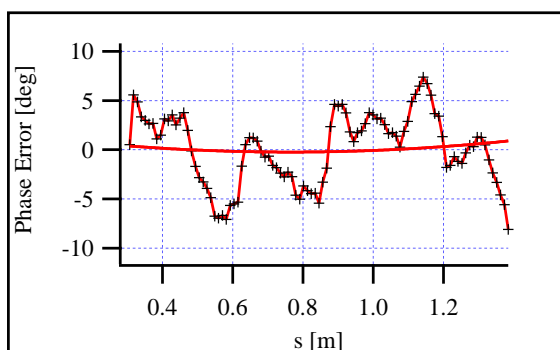
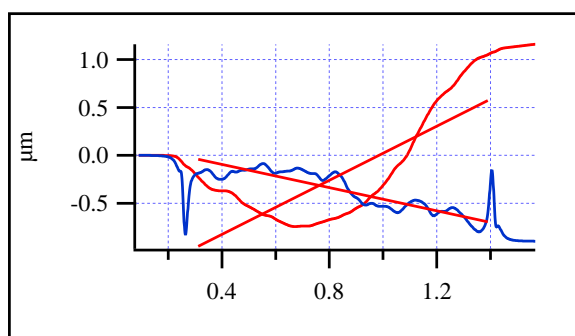
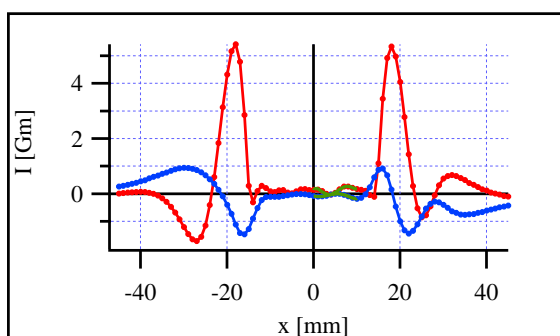
Ilz(sBz): -0.0859 G m²

I4 : 0.4793 A

H Sextupole : 187.8 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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