

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz195,Bx195,Izmes7,Ixmes7

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 1 Peak Field Bx: 0.00910 T

RMS Phase Error : 5.75 deg

Taper [mm] : 0 Hall X [mm] : -5 Delta Bx/Bx : 8.8 %

Fund. En. (B2E) : 1882.1 eV = 0.7 nm

Peak Field Bz: 0.70471 T

Radiation wavelength (lin. fit): 0.7 nm

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

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.200 G/m

Bz Taper : -7.494 G/m

Krms : 1.024

V Dipole : -5.7 G cm

Iz(coil) : -5.7 G cm

Pred. C.C. currents

V Quadrupole : 9.1 G

Iz(BzC) : -5.6 Gcm Iz(Bz) : 24.1 G cm

I1 : 0.3499 A

V Sextupole : -36.6 G/cm

Ix(coil) : 2.8 G cm

I2 : -1.0726 A

Ix(BxC) : 2.8 Gcm Ix(Bx) : 271.8 G cm

H Dipole : 7.4 G cm

Ilx(sBx) : 0.0963 G m²

I3 : -0.0583 A

H Quadrupole : -14.1 G

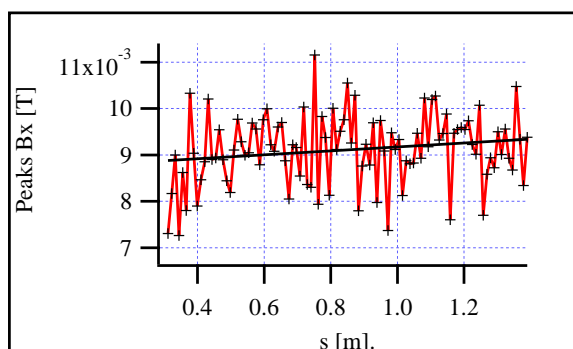
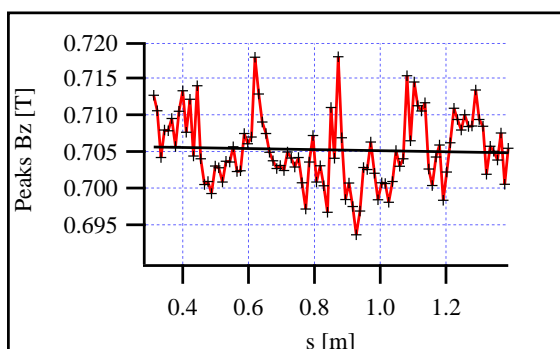
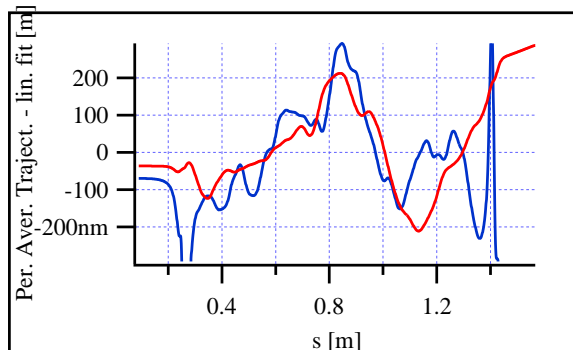
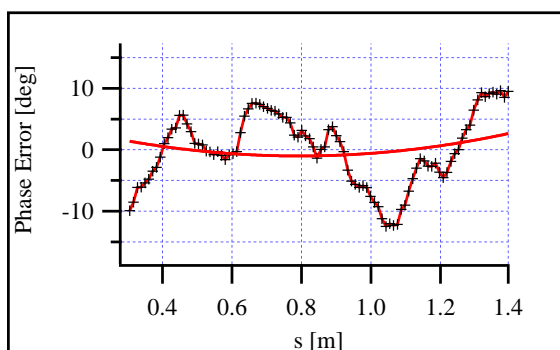
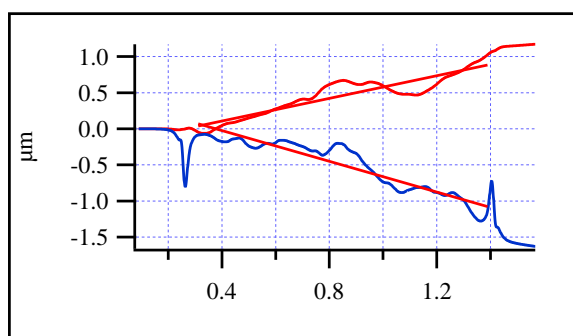
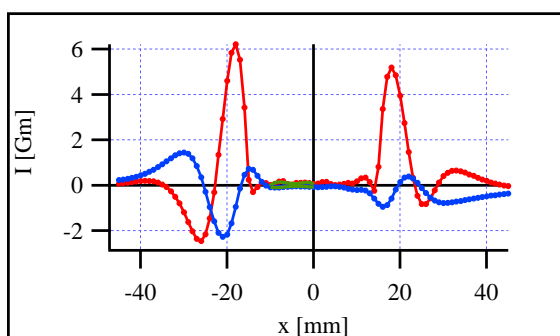
Ilz(sBz) : -0.1214 G m²

I4 : 0.4476 A

H Sextupole : 108.8 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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