

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz129,Bx129,Izmes18,Ixmes18

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : 0 Peak Field Bx: 0.00853 T

RMS Phase Error : 2.59 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 9.1 %

Fund. En. (B2E) : 2281.4 eV = 0.5 nm

Peak Field Bz: 0.57880 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.3 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 2.659 G/m

Bz Taper : 1.671 G/m

Krms : 0.841

V Dipole : -3.2 G cm

Iz(coil) : -3.0 G cm

Pred. C.C. currents

V Quadrupole : -3.0 G

Iz(BzC) : -3.0 Gcm Iz(Bz) : 39.0 G cm

I1 : 0.2773 A

V Sextupole : -87.5 G/cm

Ix(coil) : 5.8 G cm

I2 : -1.1411 A

Ix(BxC) : 5.8 Gcm Ix(Bx) : 823.4 G cm

H Dipole : 7.4 G cm

Ilx(sBx) : 0.0908 G m^2

I3 : -0.3718 A

H Quadrupole : 32.8 G

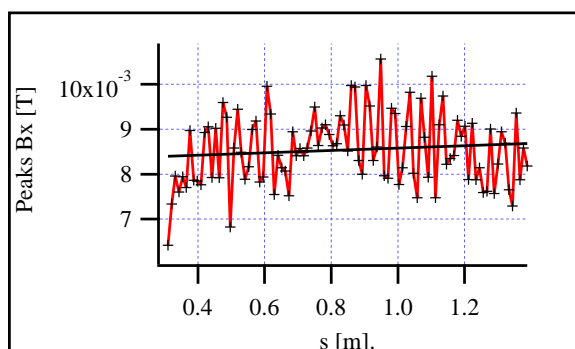
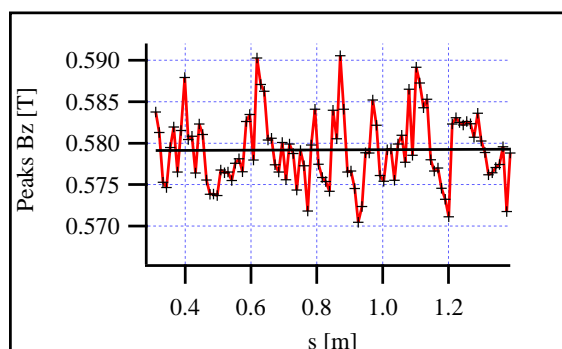
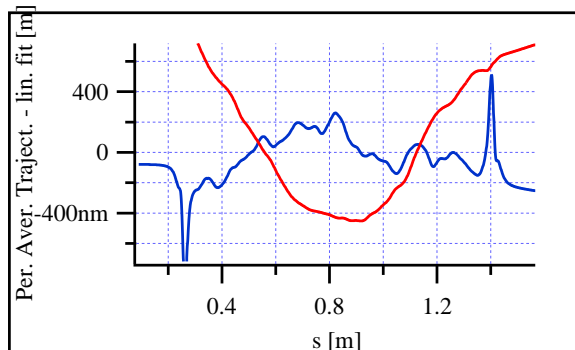
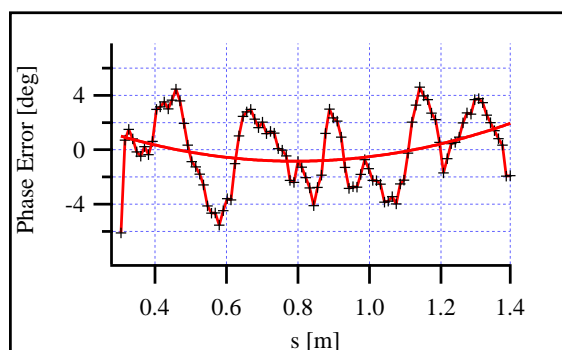
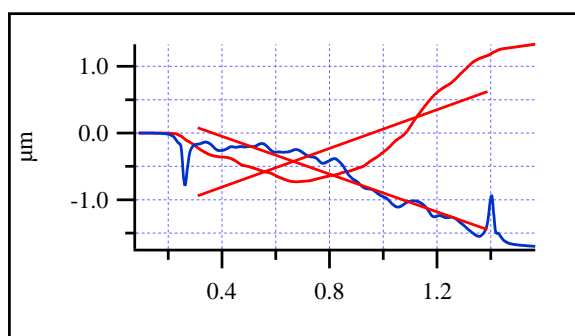
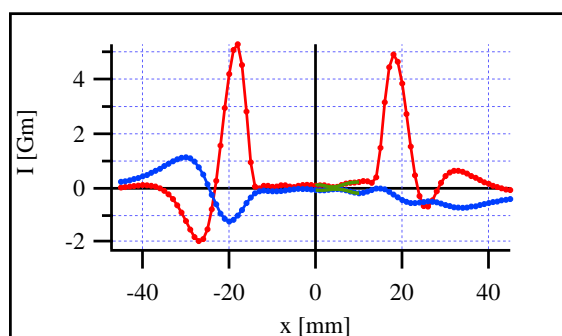
Ilz(sBz) : -0.1477 G m^2

I4 : 0.5563 A

H Sextupole : 111.5 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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