

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz73,Bx73,Izmes1,Ixmes1

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : -1 Peak Field Bx: 0.00685 T

RMS Phase Error : 3.40 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 10.7 %

Fund. En. (B2E) : 1825.3 eV = 0.7 nm

Peak Field Bz: 0.72979 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 : 2.891 G/m

Bz Taper : -1.909 G/m

Krms : 1.060

V Dipole : -8.0 G cm

Iz(coil) : -8.3 G cm

Pred. C.C. currents

V Quadrupole : -25.0 G

Iz(BzC) : -8.2 Gcm Iz(Bz) : 41.2 G cm

I1 : -0.1042 A

V Sextupole : 57.6 G/cm

Ix(coil) : 14.4 G cm

I2 : -0.9674 A

Ix(BxC) : 14.4 Gcm Ix(Bx) : 23.7 G cm

H Dipole : 15.8 G cm

Ilx(sBx) : 0.0383 G m²

I3 : -0.0769 A

H Quadrupole : -8.5 G

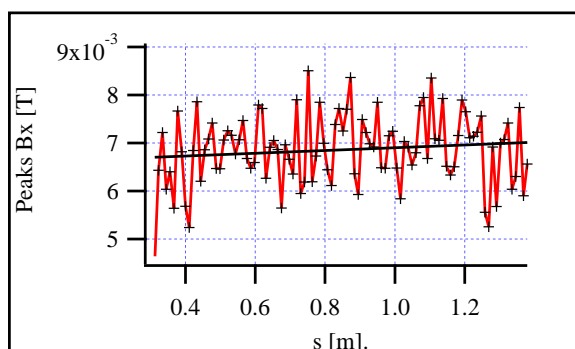
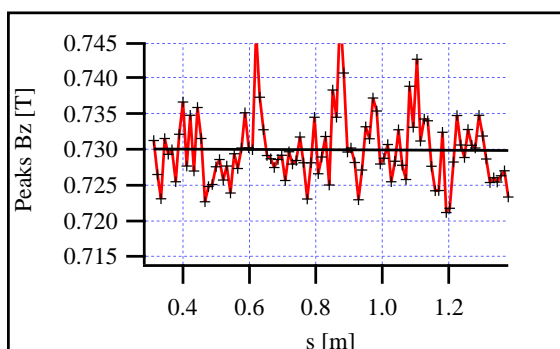
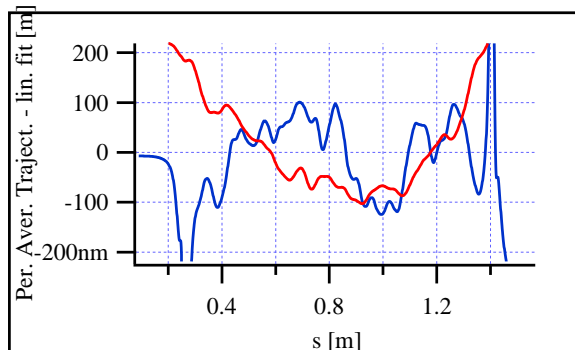
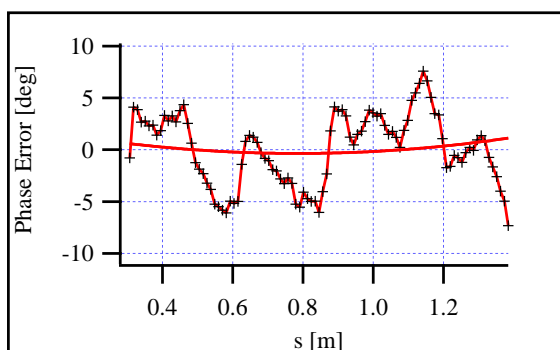
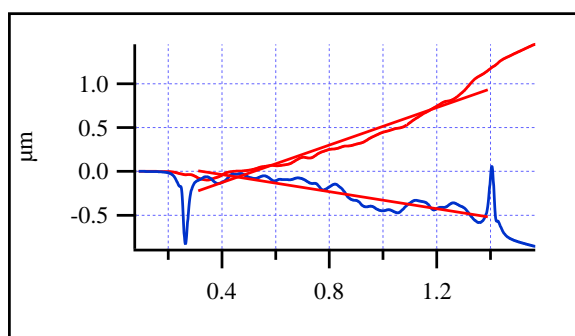
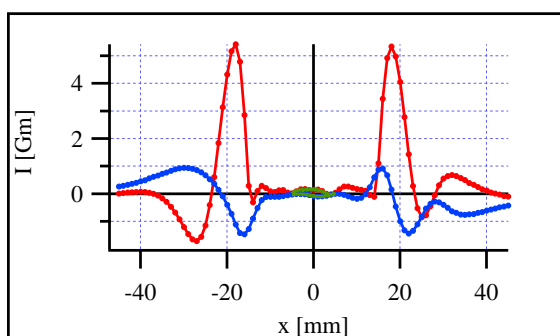
Ilz(sBz) : -0.0244 G m²

I4 : -0.5522 A

H Sextupole : -109.1 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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