

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz177,Bx177,Izmes18,Ixmes18

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : 0 Peak Field Bx: 0.00879 T

RMS Phase Error : 2.42 deg

Taper [mm] : 0 Hall X [mm] : -5 Delta Bx/Bx : 9.3 %

Fund. En. (B2E) : 2286.1 eV = 0.5 nm

Peak Field Bz: 0.57668 T

Radiation wavelength (lin. fit): 0.5 nm

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

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.927 G/m

Bz Taper : -4.885 G/m

Krms : 0.838

V Dipole : -3.6 G cm

Iz(coil) : -3.8 G cm

Pred. C.C. currents

V Quadrupole : 17.3 G

Iz(BzC) : -3.8 Gcm Iz(Bz) : 42.1 G cm

I1 : 0.7857 A

V Sextupole : -37.0 G/cm

Ix(coil) : 4.8 G cm

I2 : -1.6179 A

Ix(BxC) : 4.8 Gcm Ix(Bx) : 820.3 G cm

H Dipole : 7.3 G cm

Ilx(sBx) : 0.0952 G m²

I3 : -0.7617 A

H Quadrupole : 2.9 G

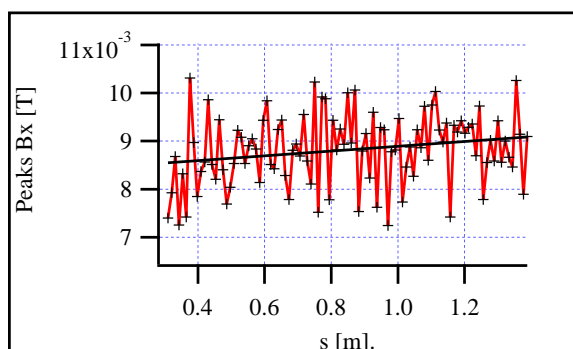
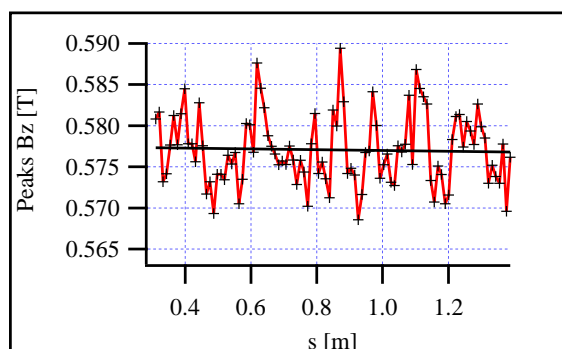
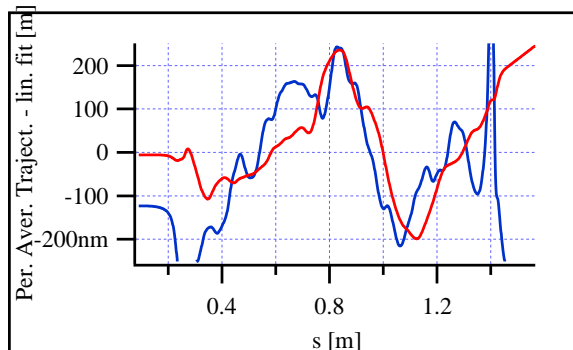
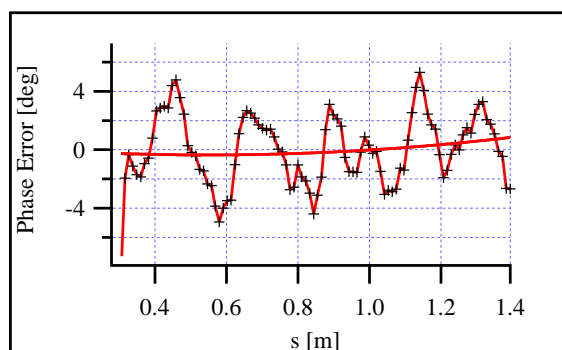
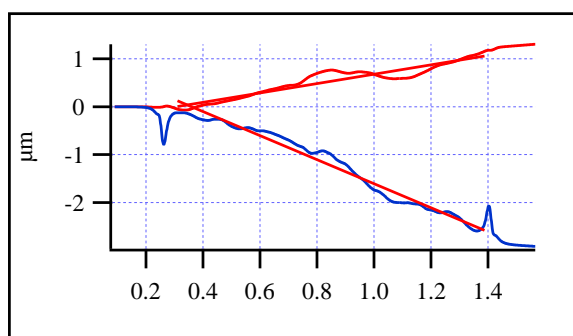
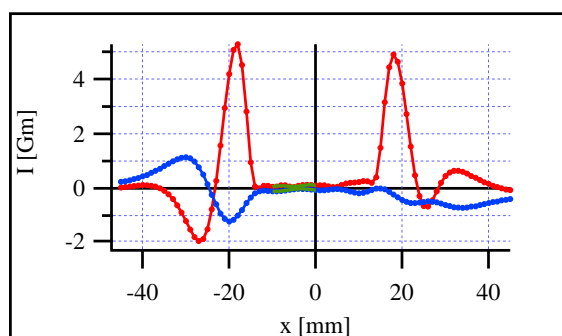
Ilz(sBz) : -0.2640 G m²

I4 : 1.0285 A

H Sextupole : 66.2 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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