

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz251,Bx251,Izmes23,Ixmes23

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 1 Peak Field Bx: 0.00417 T

RMS Phase Error : 4.84 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 20.5 %

Fund. En. (B2E) : 2386.2 eV = 0.5 nm

Peak Field Bz: 0.54534 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.219 G/m

Bz Taper : -29.751 G/m

Krms : 0.792

V Dipole : -3.5 G cm

Iz(coil) : -3.1 G cm

Pred. C.C. currents

V Quadrupole : -11.5 G

Iz(BzC) : -3.1 Gcm Iz(Bz) : 40.2 G cm

I1 : 0.9926 A

V Sextupole : -95.3 G/cm

Ix(coil) : 3.6 G cm

I2 : -1.6229 A

Ix(BxC) : 3.6 Gcm Ix(Bx) : 886.2 G cm

H Dipole : 7.4 G cm

Ilx(sBx) : 0.0727 G m²

I3 : -0.9505 A

H Quadrupole : -9.6 G

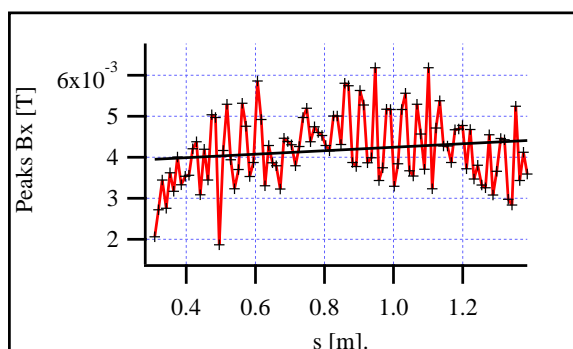
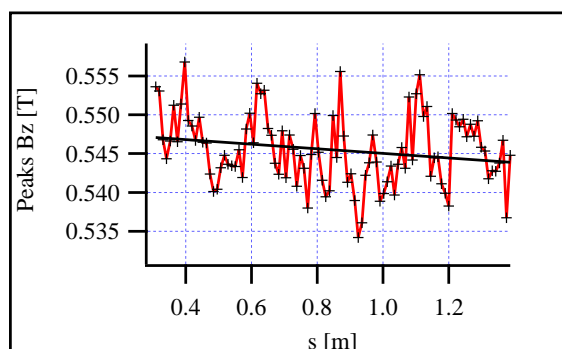
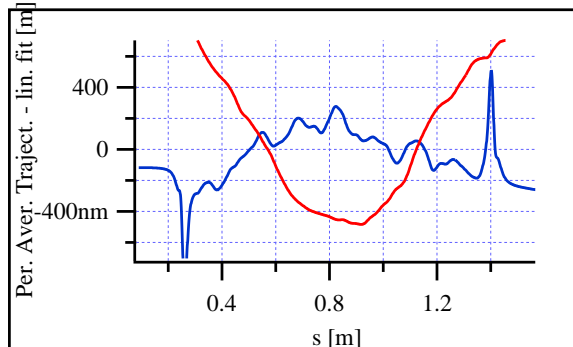
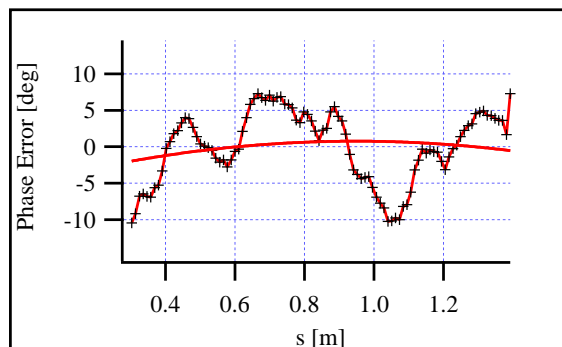
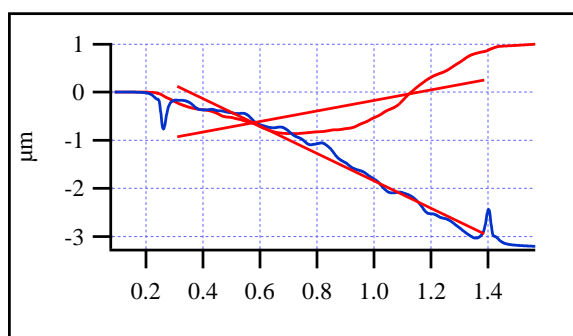
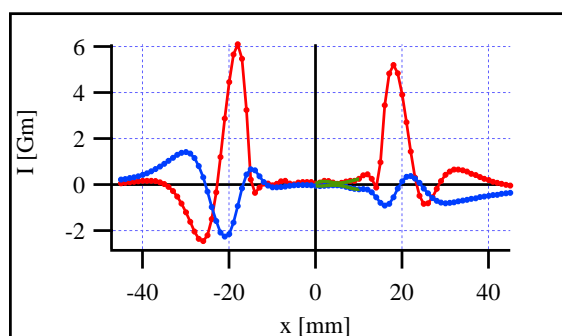
Ilz(sBz) : -0.2975 G m²

I4 : 1.1598 A

H Sextupole : 103.0 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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