

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz197,Bx197,Izmes11,Ixmes11

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : 1 Peak Field Bx: 0.00996 T

RMS Phase Error : 5.72 deg

Taper [mm] : 0 Hall X [mm] : -5 Delta Bx/Bx : 8.3 %

Fund. En. (B2E) : 1944.1 eV = 0.6 nm

Peak Field Bz: 0.68688 T

Radiation wavelength (lin. fit): 0.6 nm

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

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.366 G/m

Bz Taper : -21.093 G/m

Krms : 0.998

V Dipole : -6.3 G cm

Iz(coil) : -6.4 G cm

Pred. C.C. currents

V Quadrupole : 12.2 G

Iz(BzC) : -6.3 Gcm Iz(Bz) : 18.4 G cm

I1 : 0.6376 A

V Sextupole : -34.1 G/cm

Ix(coil) : 1.4 G cm

I2 : -1.2759 A

Ix(BxC) : 1.4 Gcm Ix(Bx) : 500.7 G cm

H Dipole : 5.9 G cm

Ilx(sBx) : 0.0962 G m²

I3 : -0.2043 A

H Quadrupole : -15.5 G

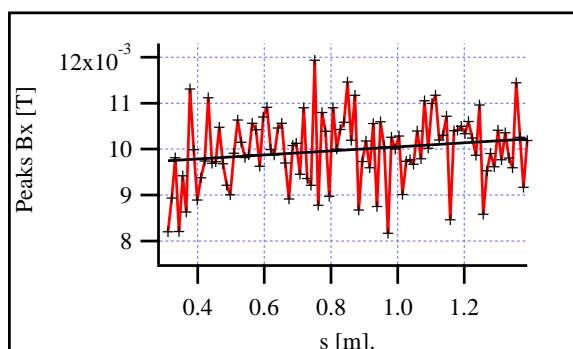
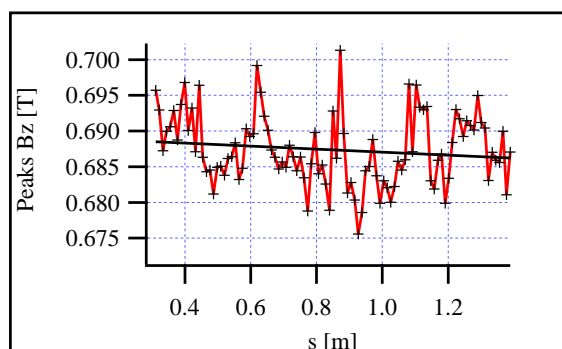
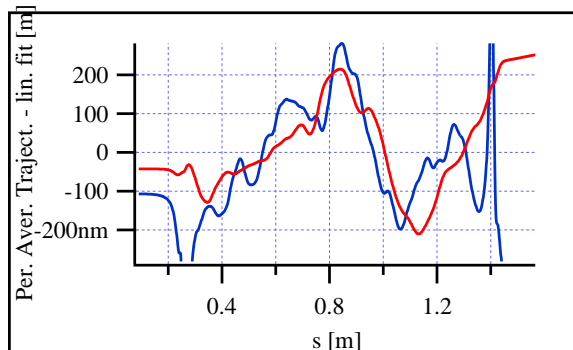
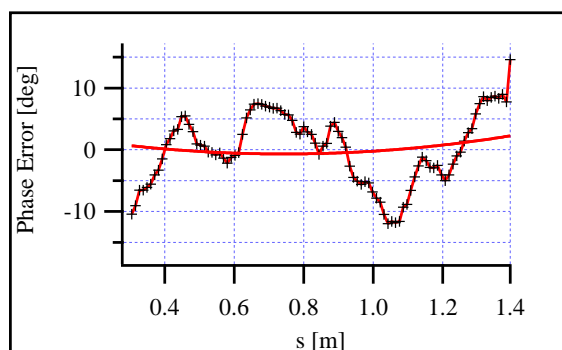
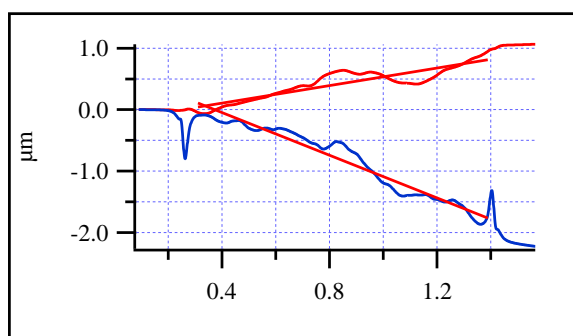
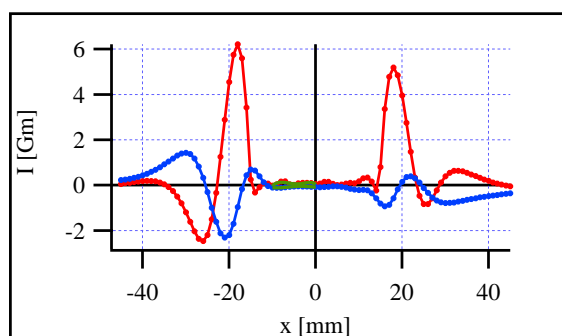
Ily(sBz) : -0.1759 G m²

I4 : 0.6767 A

H Sextupole : 113.8 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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