

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz77,Bx77,Izmes9,Ixmes9

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : -1 Peak Field Bx: 0.00775 T

RMS Phase Error : 3.95 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 9.4 %

Fund. En. (B2E) : 1909.0 eV = 0.6 nm

Peak Field Bz: 0.69586 T

Radiation wavelength (lin. fit): 0.6 nm

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

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 3.409 G/m

Bz Taper : -5.877 G/m

Krms : 1.011

V Dipole : -8.8 G cm

Iz(coil) : -8.9 G cm

Pred. C.C. currents

V Quadrupole : -27.1 G

Iz(BzC): -8.9 Gcm Iz(Bz) : 52.7 G cm

I1 : 0.0276 A

V Sextupole : 51.7 G/cm

Ix(coil) : 12.7 G cm

I2 : -1.0006 A

Ix(BxC) : 12.7 Gcm Ix(Bx) : 515.6 G cm

H Dipole : 14.0 G cm

Ilx(sBx) : 0.0386 G m²

I3 : -0.0518 A

H Quadrupole : -9.1 G

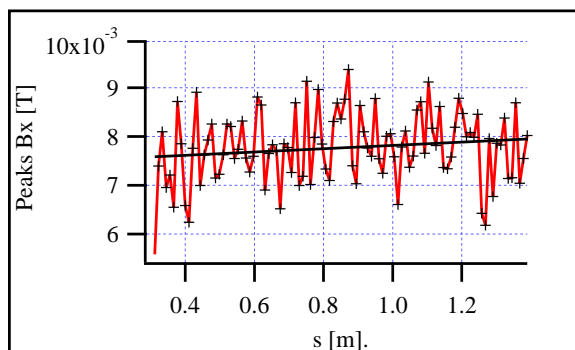
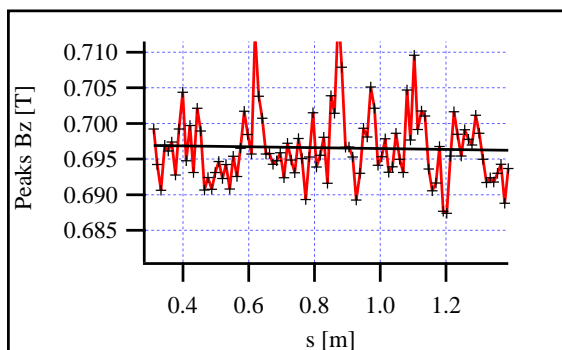
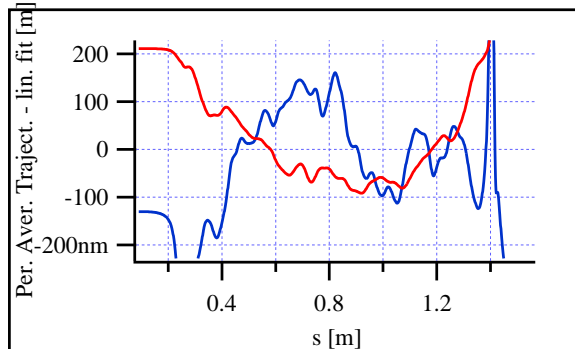
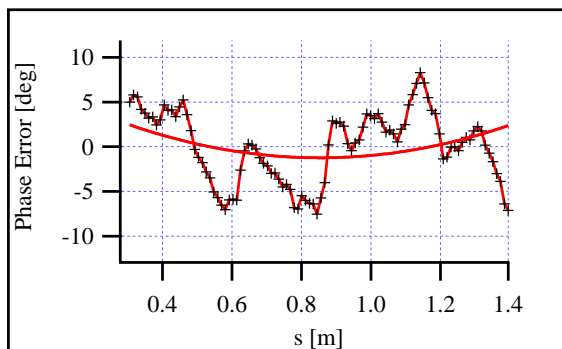
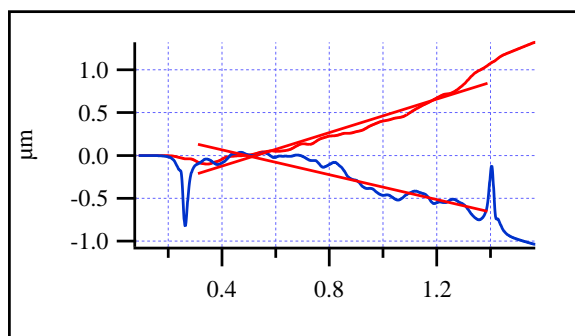
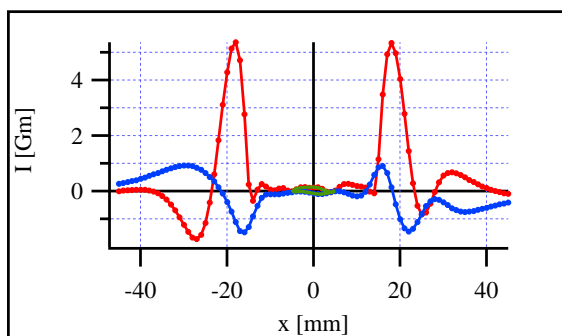
Ilz(sBz) : -0.0381 G m²

I4 : -0.4753 A

H Sextupole : -112.9 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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