

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz137,Bx137,Izmes34,Ixmes34

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 0 Peak Field Bx: 0.00763 T

RMS Phase Error : 3.34 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 10.5 %

Fund. En. (B2E) : 3381.8 eV = 0.4 nm

Peak Field Bz: 0.26518 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.05 mm Delta Bz/Bz : 1.8 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 2.824 G/m

Bz Taper : 31.673 G/m

Krms : 0.385

V Dipole : -0.4 G cm

Iz(coil) : -0.3 G cm

Pred. C.C. currents

V Quadrupole : -3.4 G

Iz(BzC): -0.3 Gcm Iz(Bz) : 21.6 G cm

I1 : 0.4890 A

V Sextupole : -90.1 G/cm

Ix(coil) : 5.1 G cm

I2 : -1.3116 A

Ix(BxC) : 5.1 Gcm Ix(Bx) : 634.8 G cm

H Dipole : 6.6 G cm

Ilx(sBx) : 0.0908 G m²

I3 : -0.7619 A

H Quadrupole : 36.3 G

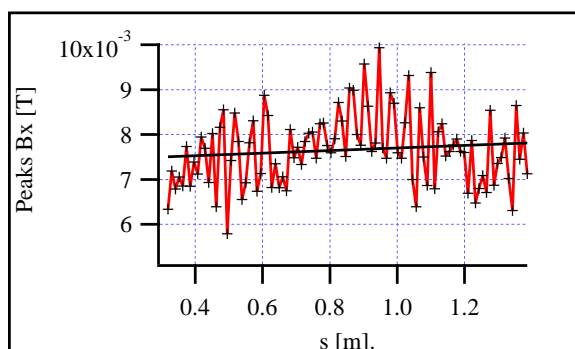
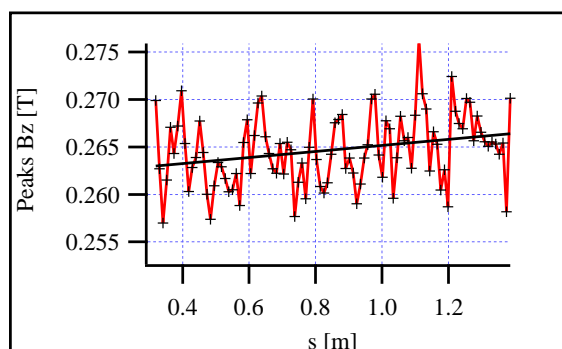
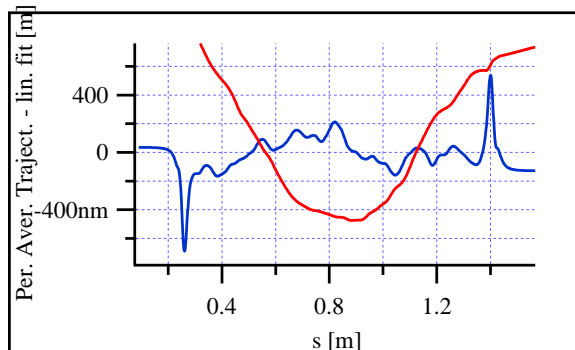
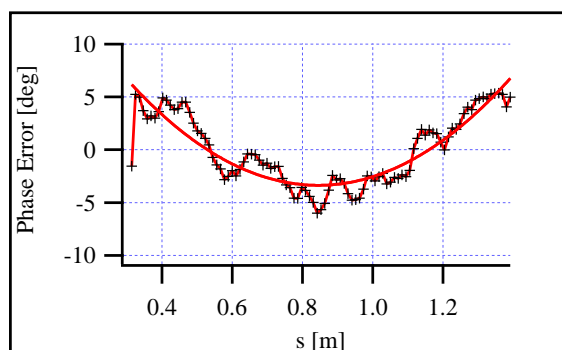
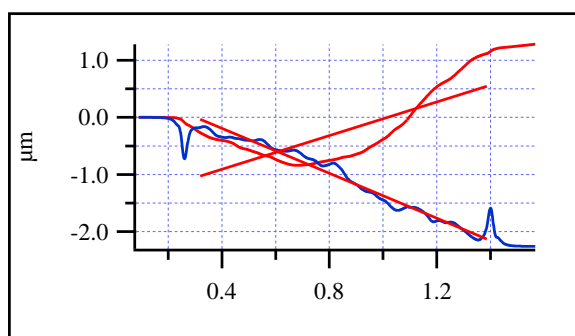
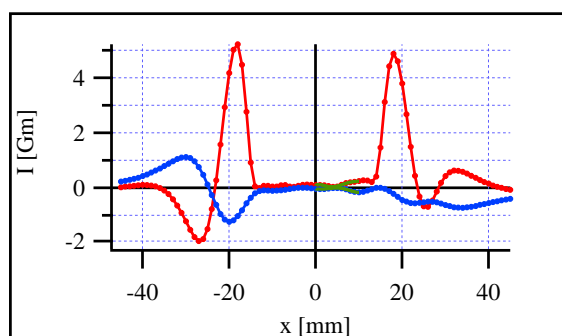
Ilz(sBz): -0.2234 G m²

I4 : 0.9870 A

H Sextupole : 115.5 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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