

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz131,Bx131,Izmes22,Ixmes22

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 0 Peak Field Bx: 0.00850 T

RMS Phase Error : 2.67 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 9.1 %

Fund. En. (B2E) : 2494.1 eV = 0.5 nm

Peak Field Bz: 0.51252 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.2 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 2.602 G/m

Bz Taper : -7.296 G/m

Krms : 0.745

V Dipole : -2.4 G cm

Iz(coil) : -2.3 G cm

Pred. C.C. currents

V Quadrupole : -0.2 G

Iz(BzC): -2.2 Gcm Iz(Bz) : 51.0 G cm

I1 : 0.3973 A

V Sextupole : -82.8 G/cm

Ix(coil) : 7.2 G cm

I2 : -1.3550 A

Ix(BxC) : 7.2 Gcm Ix(Bx) : 888.0 G cm

H Dipole : 8.8 G cm

Ilx(sBx) : 0.0927 G m²

I3 : -0.6371 A

H Quadrupole : 36.8 G

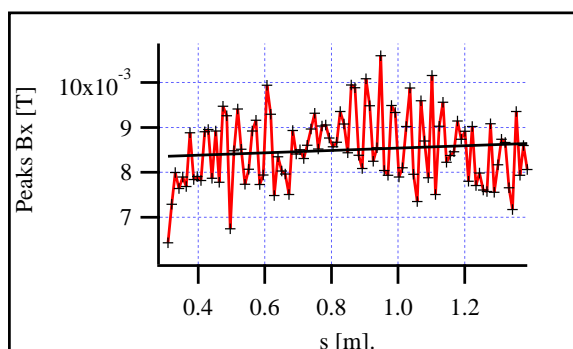
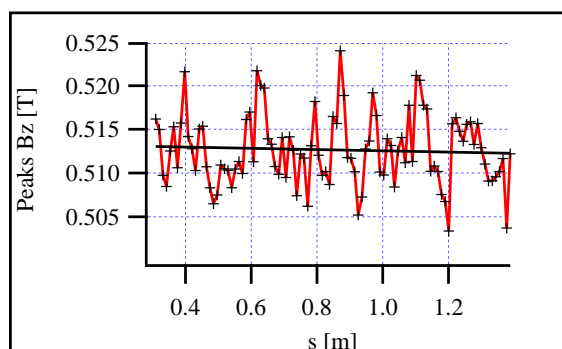
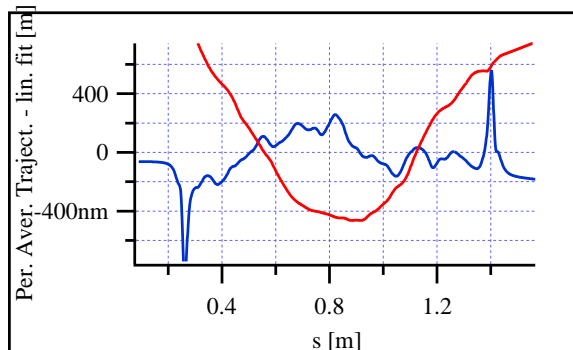
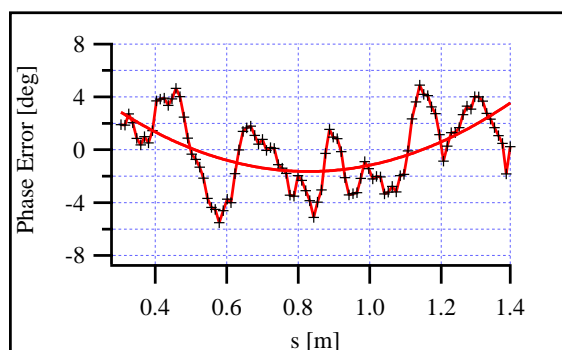
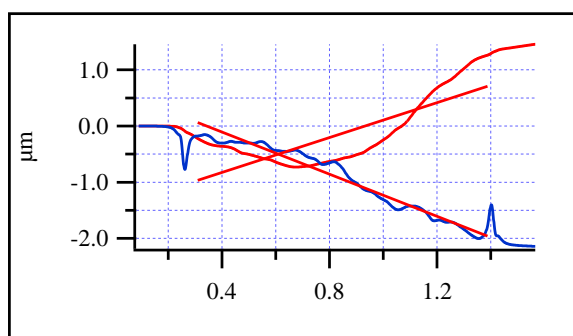
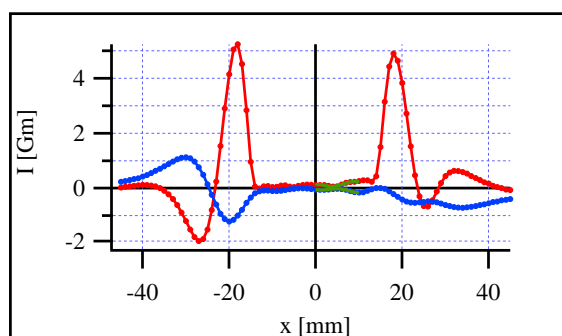
Ilz(sBz): -0.1976 G m²

I4 : 0.7492 A

H Sextupole : 109.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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