

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz169,Bx169,Izmes2,Ixmes2

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 0 Peak Field Bx: 0.00674 T

RMS Phase Error : 2.71 deg

Taper [mm] : 0 Hall X [mm] : -5 Delta Bx/Bx : 11.0 %

Fund. En. (B2E) : 1922.5 eV = 0.6 nm

Peak Field Bz: 0.69412 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.0 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 4.223 G/m

Bz Taper : 3.566 G/m

Krms : 1.009

V Dipole : -4.6 G cm

Iz(coil) : -4.5 G cm

Pred. C.C. currents

V Quadrupole : 15.0 G

Iz(BzC) : -4.5 Gcm Iz(Bz) : 30.3 G cm

I1 : 0.7293 A

V Sextupole : -35.6 G/cm

Ix(coil) : 5.0 G cm

I2 : -1.5722 A

Ix(BxC) : 5.0 Gcm Ix(Bx) : 20.3 G cm

H Dipole : 7.5 G cm

Ilx(sBx) : 0.0953 G m²

I3 : -0.6562 A

H Quadrupole : -4.5 G

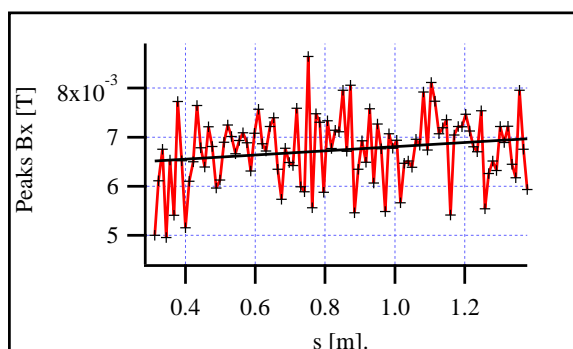
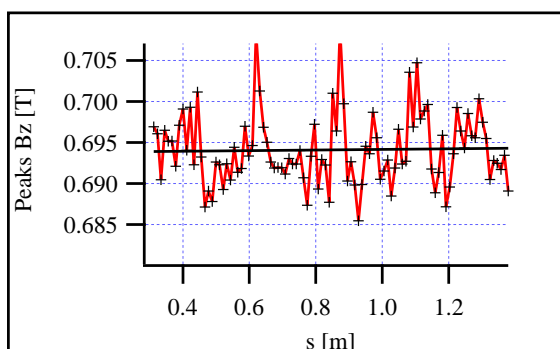
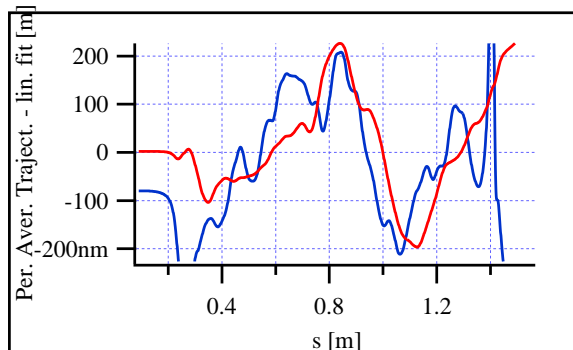
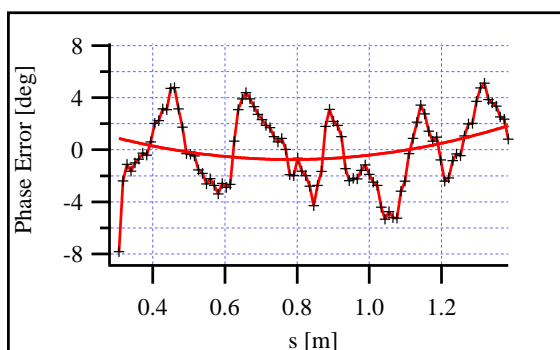
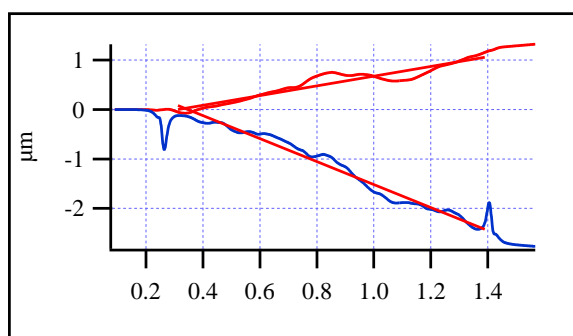
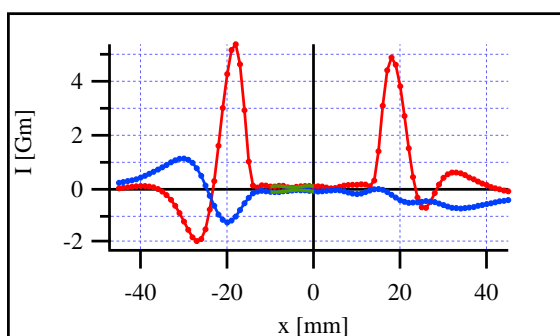
Ilz(sBz) : -0.2437 G m²

I4 : 0.9135 A

H Sextupole : 71.4 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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