

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz121,Bx121,Izmes2,Ixmes2

Gap [mm] : 200

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

RMS Phase Error : 2.82 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 11.5 %

Fund. En. (B2E) : 1919.5 eV = 0.6 nm

Peak Field Bz: 0.69594 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 : 2.163 G/m

Bz Taper : 3.794 G/m

Krms : 1.011

V Dipole : -3.5 G cm

Iz(coil) : -3.3 G cm

Pred. C.C. currents

V Quadrupole : -0.4 G

Iz(BzC): -3.3 Gcm Iz(Bz) : 10.4 G cm

I1 : 0.1110 A

V Sextupole : -89.6 G/cm

Ix(coil) : 4.1 G cm

I2 : -0.8967 A

Ix(BxC) : 4.1 Gcm Ix(Bx) : 13.9 G cm

H Dipole : 5.5 G cm

Ilx(sBx) : 0.0941 G m²

I3 : -0.0824 A

H Quadrupole : 25.1 G

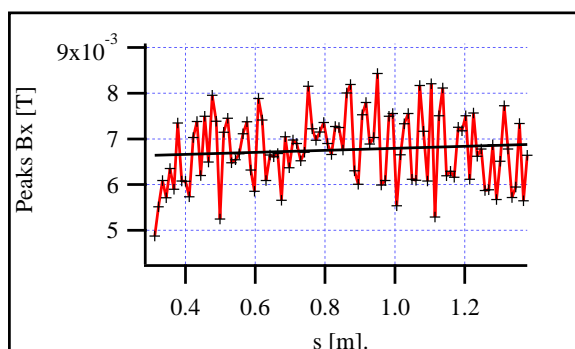
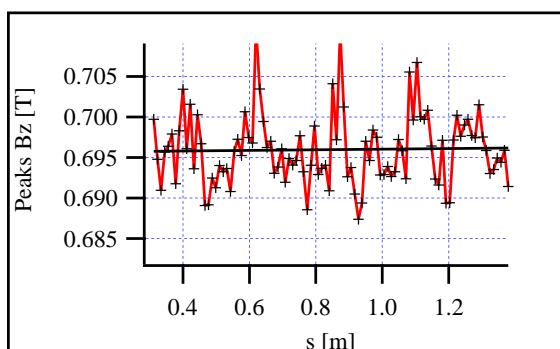
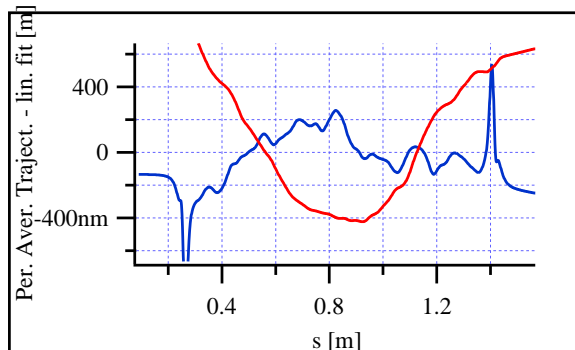
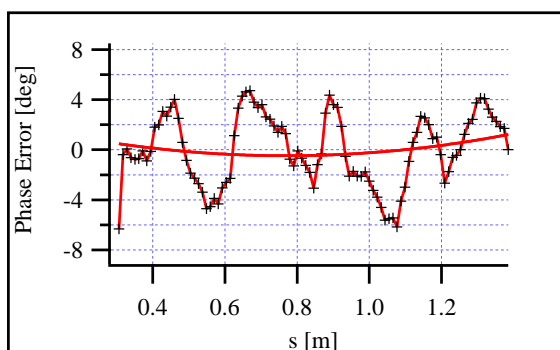
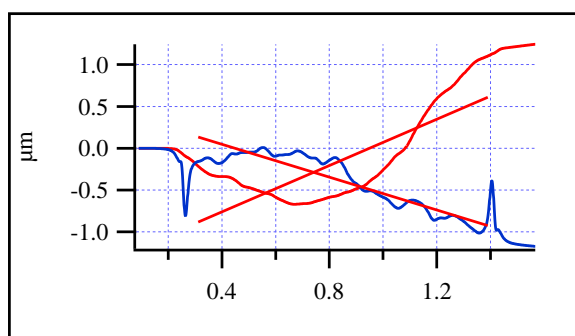
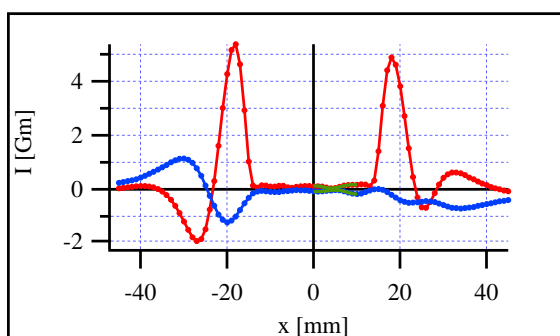
Ilz(sBz): -0.0927 G m²

I4 : 0.3828 A

H Sextupole : 101.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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