

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz291,Bx291,Izmes6,Ixmes6

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 0 Peak Field Bx: 0.01627 T

RMS Phase Error : 3.79 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 11.1 %

Fund. En. (B2E) : 2147.1 eV = 0.6 nm

Peak Field Bz: 0.61384 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 : 9.812 G/m

Bz Taper : -13.356 G/m

Krms : 0.892

V Dipole : -9.8 G cm

Iz(coil) : -9.9 G cm

Pred. C.C. currents

V Quadrupole : 56.2 G

Iz(BzC): -9.9 Gcm Iz(Bz) : -3.8 G cm

I1 : -1.2210 A

V Sextupole : 47.5 G/cm

Ix(coil) : 17.2 G cm

I2 : -1.3085 A

Ix(BxC) : 17.2 Gcm Ix(Bx) : 291.8 G cm

H Dipole : 2.4 G cm

Ilx(sBx) : 0.2630 G m^2

I3 : 1.0141 A

H Quadrupole : -114.8 G

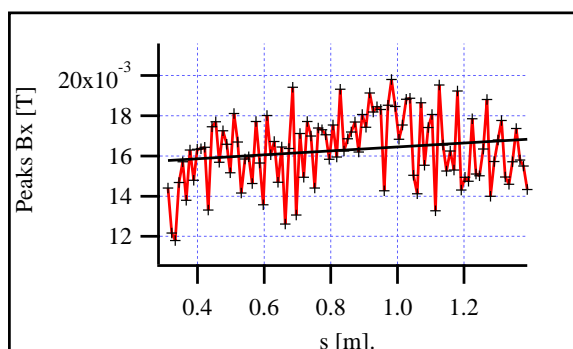
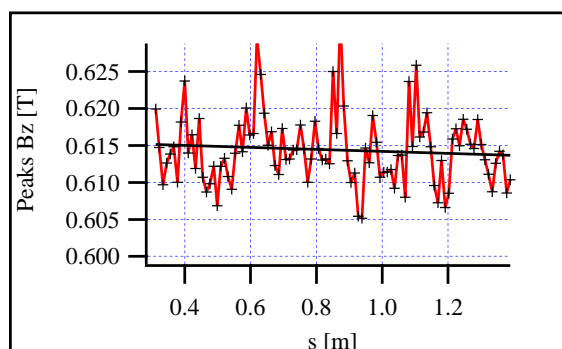
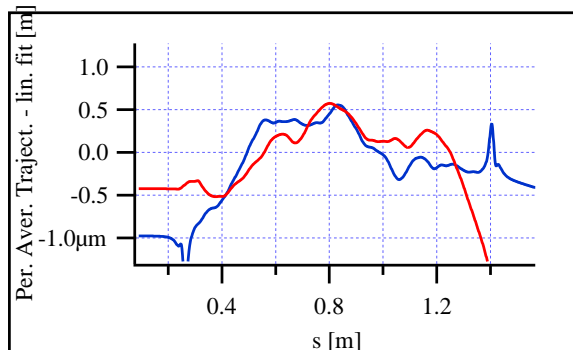
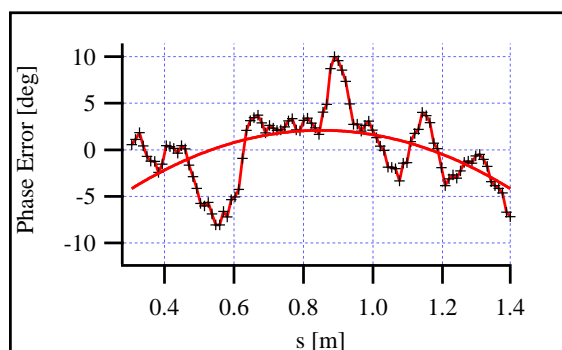
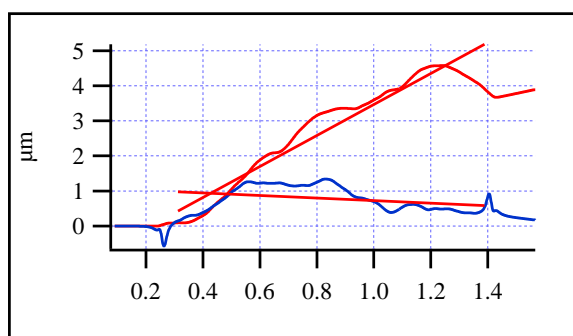
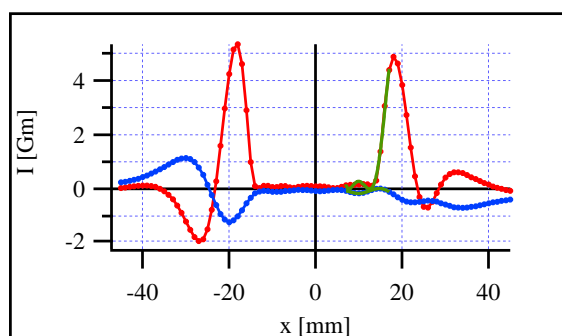
Ilz(sBz): 0.0903 G m^2

I4 : -0.5082 A

H Sextupole : 878.7 G/cm

BzTrj RMS dev. : 0.3 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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