

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz219,Bx219,Izmes7,Ixmes7

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 1 Peak Field Bx: 0.00693 T

RMS Phase Error : 5.75 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 11.3 %

Fund. En. (B2E) : 1867.8 eV = 0.7 nm

Peak Field Bz: 0.71010 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.3 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 3.590 G/m

Bz Taper : -5.179 G/m

Krms : 1.032

V Dipole : -8.7 G cm

Iz(coil) : -8.8 G cm

Pred. C.C. currents

V Quadrupole : -9.3 G

Iz(BzC): -8.8 Gcm Iz(Bz) : 58.4 G cm

I1 : 0.1107 A

V Sextupole : 37.4 G/cm

Ix(coil) : 4.7 G cm

I2 : -0.3706 A

Ix(BxC) : 4.8 Gcm Ix(Bx) : 286.4 G cm

H Dipole : 7.9 G cm

Ilx(sBx) : -0.0035 G m²

I3 : 0.3205 A

H Quadrupole : 9.8 G

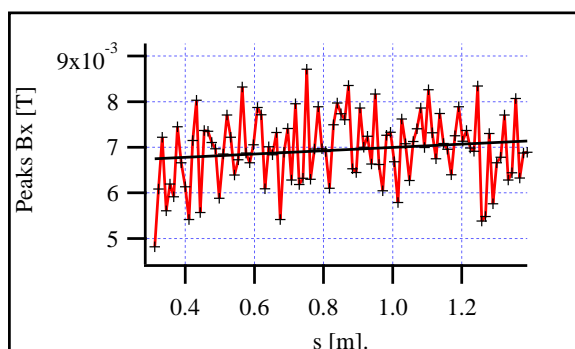
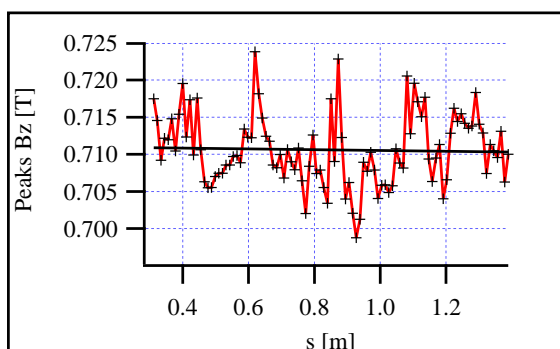
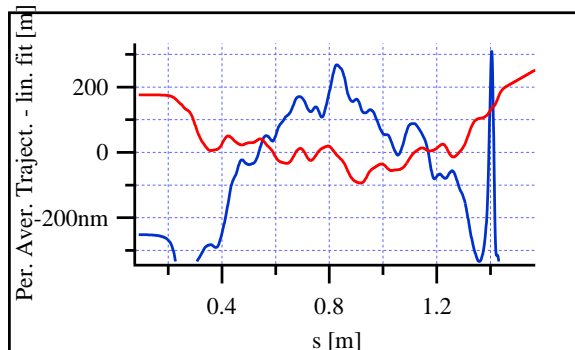
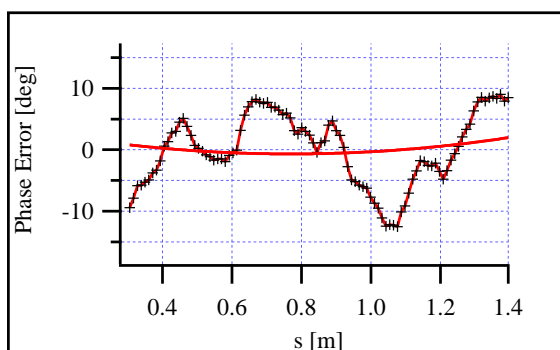
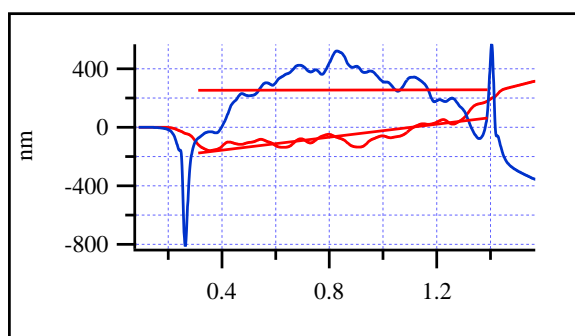
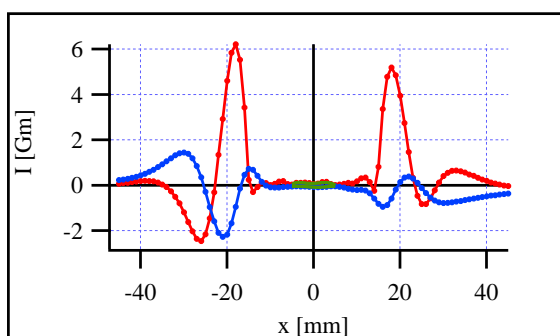
Ilz(sBz): 0.0289 G m²

I4 : -0.6203 A

H Sextupole : 82.6 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.0 um



Kyma Srl

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