

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz217,Bx217,Izmes3,Ixmes3

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 1 Peak Field Bx: 0.00642 T

RMS Phase Error : 5.95 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 12.2 %

Fund. En. (B2E) : 1845.1 eV = 0.7 nm

Peak Field Bz: 0.72284 T

Radiation wavelength (lin. fit): 0.7 nm

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

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 3.796 G/m

Bz Taper : 6.456 G/m

Krms : 1.050

V Dipole : -9.2 G cm

Iz(coil) : -9.4 G cm

Pred. C.C. currents

V Quadrupole : -9.7 G

Iz(BzC) : -9.4 Gcm Iz(Bz) : 9.1 G cm

I1 : 0.0012 A

V Sextupole : 45.4 G/cm

Ix(coil) : 5.6 G cm

I2 : -0.2566 A

Ix(BxC) : 5.6 Gcm Ix(Bx) : 27.3 G cm

H Dipole : 9.1 G cm

Ilx(sBx) : -0.0129 G m²

I3 : 0.4321 A

H Quadrupole : 10.0 G

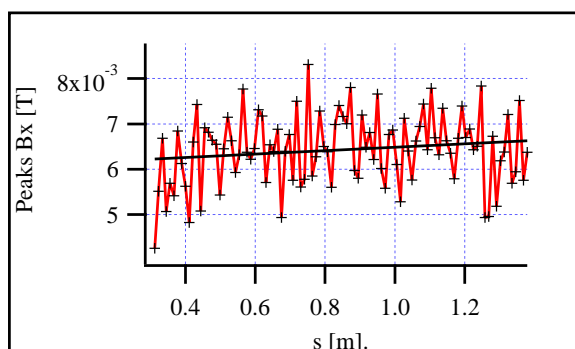
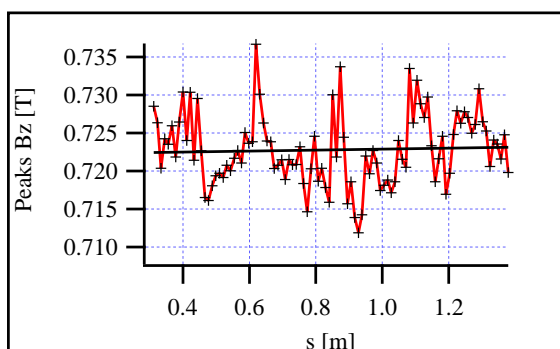
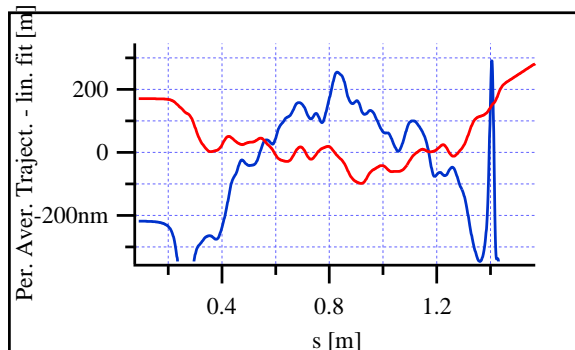
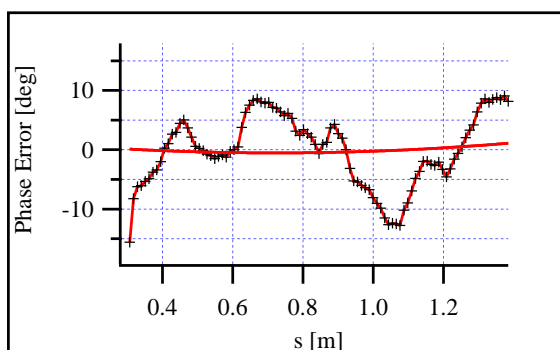
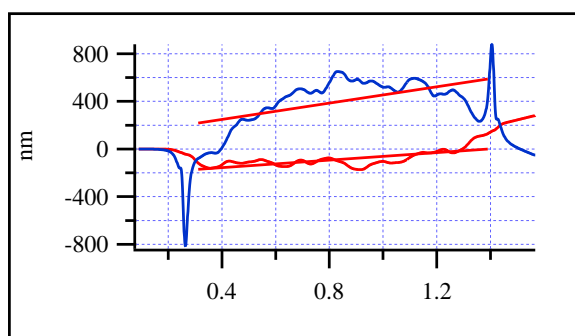
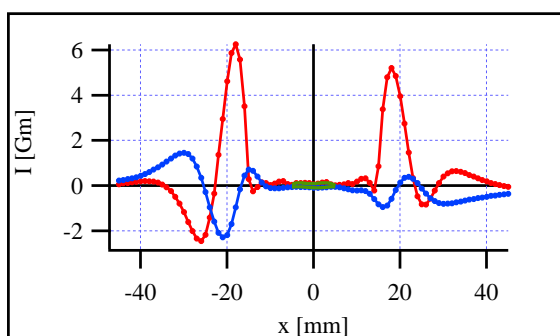
Ilz(sBz) : 0.0636 G m²

I4 : -0.8360 A

H Sextupole : 80.0 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.0 um



Kyma Srl

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