

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz75,Bx75,Izmes5,Ixmes5

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : -1 Peak Field Bx: 0.00736 T

RMS Phase Error : 3.66 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 9.9 %

Fund. En. (B2E) : 1848.0 eV = 0.7 nm

Peak Field Bz: 0.71847 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 3.031 G/m

Bz Taper : -17.526 G/m

Krms : 1.044

V Dipole : -9.2 G cm

Iz(coil) : -9.4 G cm

Pred. C.C. currents

V Quadrupole : -24.4 G

Iz(BzC): -9.4 Gcm Iz(Bz) : 29.1 G cm

I1 : -0.1322 A

V Sextupole : 54.7 G/cm

Ix(coil) : 13.5 G cm

I2 : -0.8857 A

Ix(BxC) : 13.6 Gcm Ix(Bx) : 279.4 G cm

H Dipole : 15.1 G cm

Ilx(sBx) : 0.0380 G m<sup>2</sup>

I3 : 0.0998 A

H Quadrupole : -9.2 G

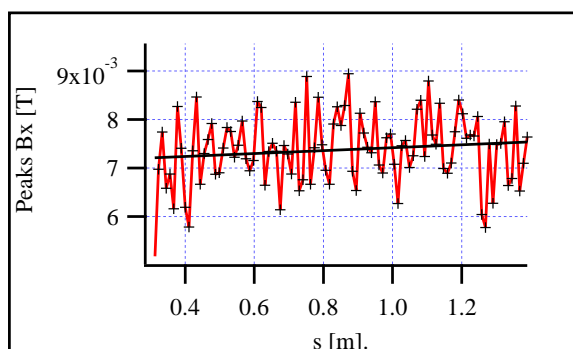
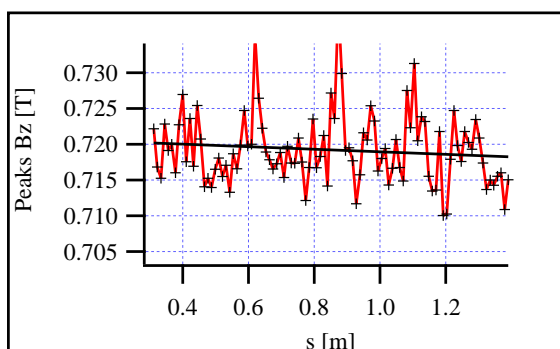
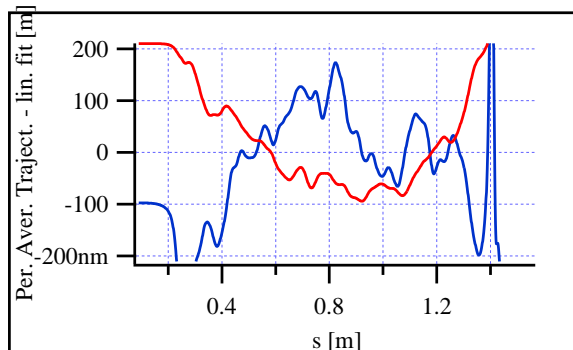
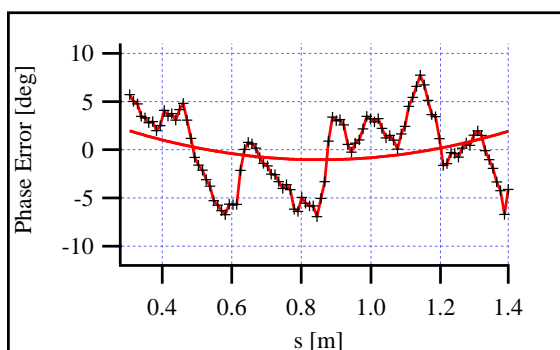
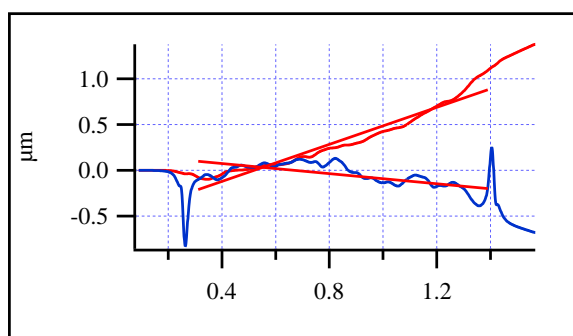
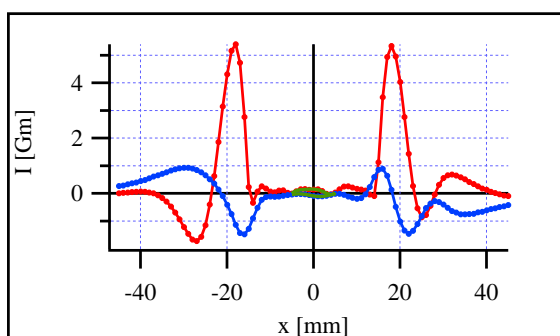
Ilz(sBz) : 0.0016 G m<sup>2</sup>

I4 : -0.6789 A

H Sextupole : -113.7 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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