

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz61,Bx61,Izmes25,Ixmes25

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : -1 Peak Field Bx: 0.00272 T

RMS Phase Error : 5.98 deg

Taper [mm] : 0 Hall X [mm] : -5 Delta Bx/Bx : 27.6 %

Fund. En. (B2E) : 2593.0 eV = 0.5 nm

Peak Field Bz: 0.48681 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 3.602 G/m

Bz Taper : 6.470 G/m

Krms : 0.707

V Dipole : -0.7 G cm

Iz(coil) : -1.0 G cm

Pred. C.C. currents

V Quadrupole : 26.9 G

Iz(BzC) : -1.0 Gcm Iz(Bz) : 13.0 G cm

I1 : 0.8396 A

V Sextupole : -41.1 G/cm

Ix(coil) : -2.5 G cm

I2 : -1.2467 A

Ix(BxC) : -2.5 Gcm Ix(Bx) : 861.8 G cm

H Dipole : 2.4 G cm

Ilx(sBx) : 0.0963 G m<sup>2</sup>

I3 : -0.6066 A

H Quadrupole : 20.5 G

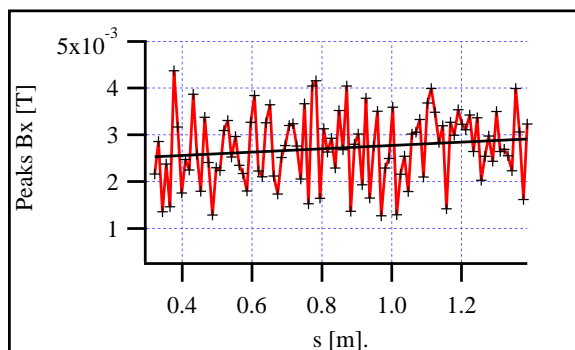
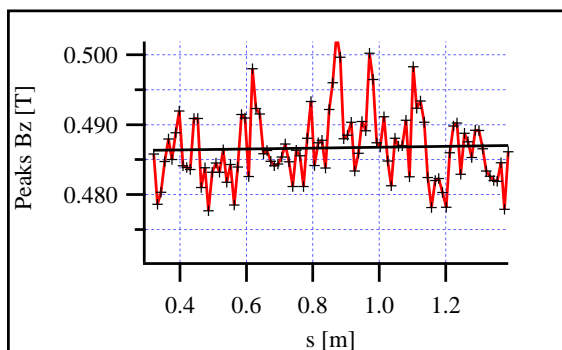
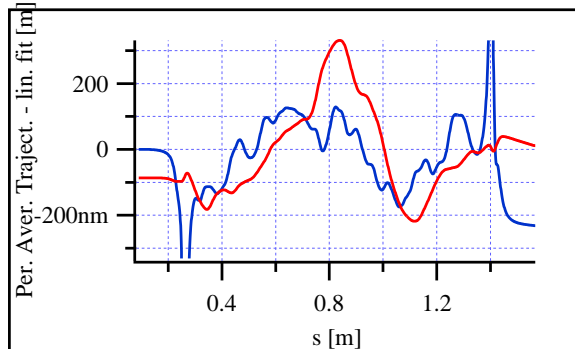
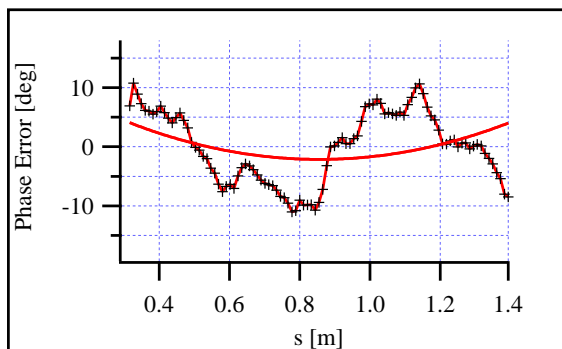
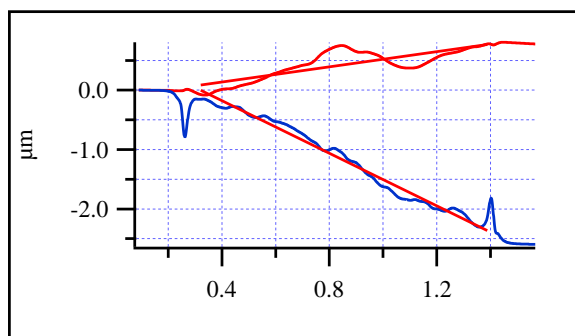
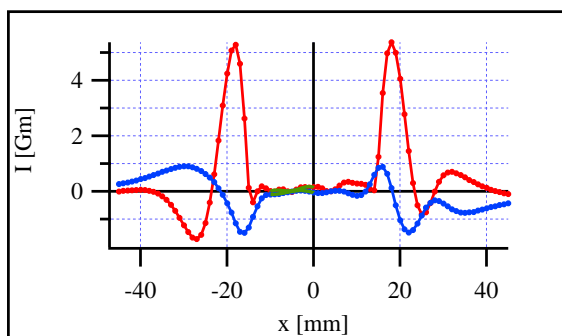
Ilz(sBz) : -0.2521 G m<sup>2</sup>

I4 : 1.3115 A

H Sextupole : 110.2 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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