

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz147,Bx147,Izmes6,Ixmes6

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 0 Peak Field Bx: 0.00747 T

RMS Phase Error : 2.69 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 9.8 %

Fund. En. (B2E) : 1933.3 eV = 0.6 nm

Peak Field Bz: 0.68753 T

Radiation wavelength (lin. fit): 0.6 nm

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

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 3.175 G/m

Bz Taper : -9.748 G/m

Krms : 0.999

V Dipole : -8.1 G cm

Iz(coil) : -8.2 G cm

Pred. C.C. currents

V Quadrupole : -12.7 G

Iz(BzC) : -8.2 Gcm Iz(Bz) : 53.1 G cm

I1 : 0.3417 A

V Sextupole : 44.4 G/cm

Ix(coil) : 9.2 G cm

I2 : -0.9811 A

Ix(BxC) : 9.2 Gcm Ix(Bx) : 287.7 G cm

H Dipole : 10.4 G cm

Ilx(sBx) : 0.0168 G m<sup>2</sup>

I3 : -0.2192 A

H Quadrupole : -6.7 G

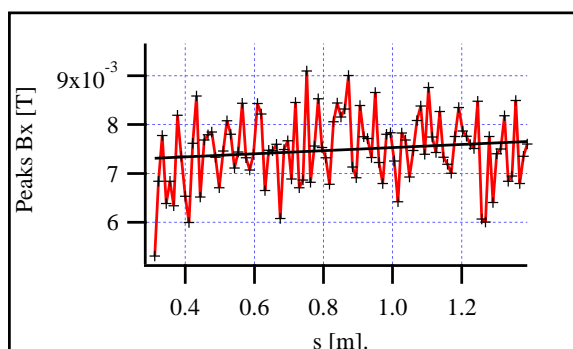
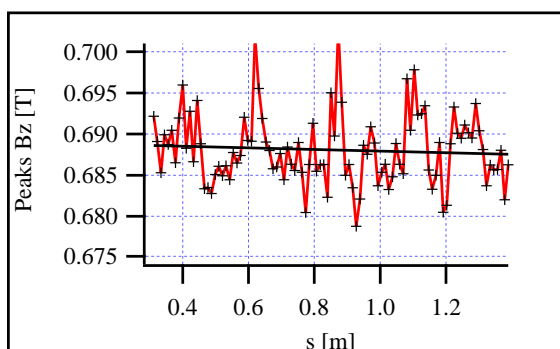
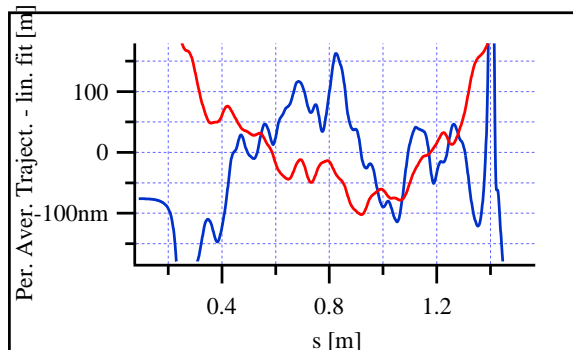
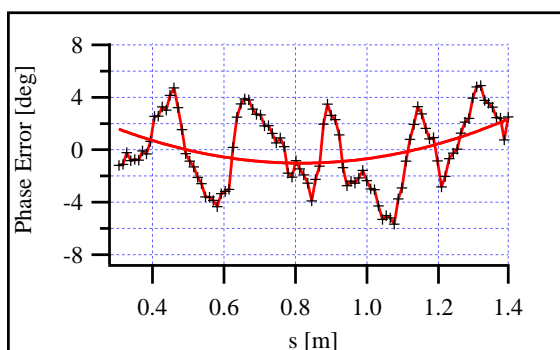
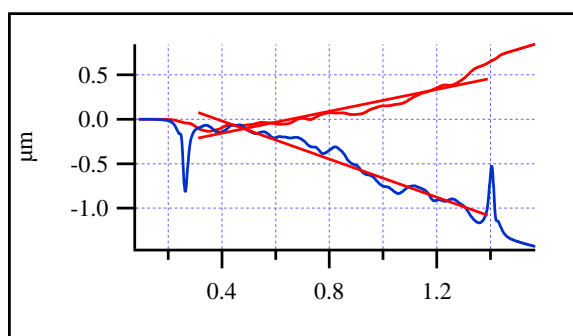
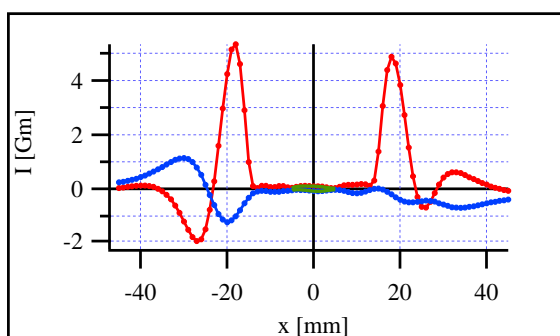
Ilz(sBz) : -0.0828 G m<sup>2</sup>

I4 : -0.2260 A

H Sextupole : -26.3 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



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