

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz395,Bx395,Izmes23,Ixmes23

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 1 Peak Field Bx: 0.04397 T

RMS Phase Error : 6.50 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 4.6 %

Fund. En. (B2E) : 2543.0 eV = 0.5 nm

Peak Field Bz: 0.49174 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.5 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : -8.465 G/m

Bz Taper : -40.713 G/m

Krms : 0.717

V Dipole : 13.5 G cm

Iz(coil) : 10.3 G cm

Pred. C.C. currents

V Quadrupole : -222.1 G

Iz(BzC): 10.3 Gcm Iz(Bz) : 41.4 G cm

I1 : 0.8446 A

V Sextupole : 278.2 G/cm

Ix(coil) : 4.2 G cm

I2 : -0.3277 A

Ix(BxC) : 4.2 Gcm Ix(Bx) : 669.5 G cm

H Dipole : -19.1 G cm

Ilx(sBx) : -0.1324 G m<sup>2</sup>

I3 : -1.9261 A

H Quadrupole : 303.5 G

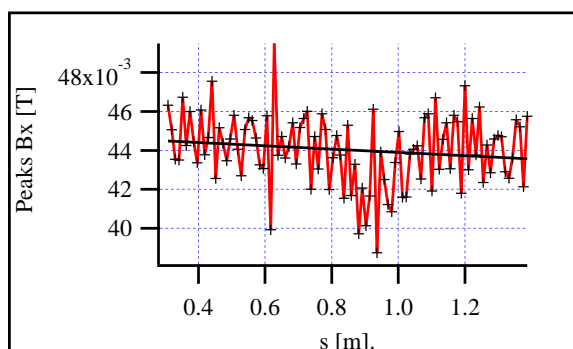
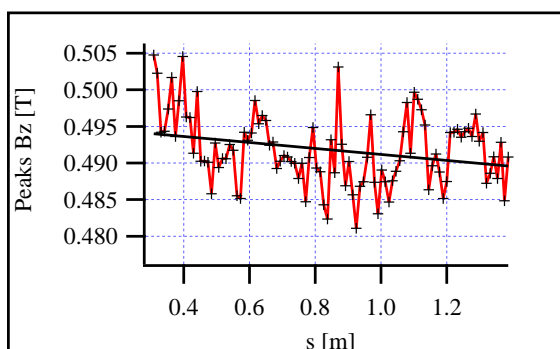
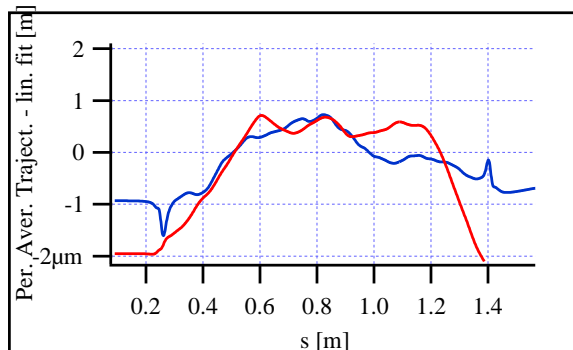
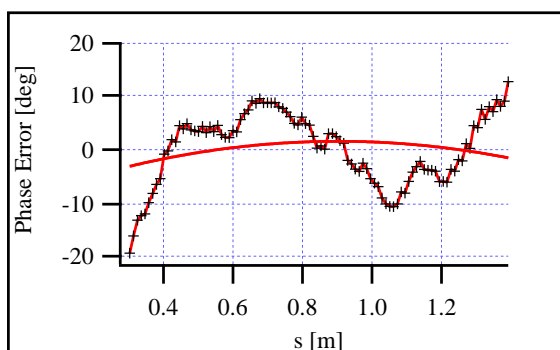
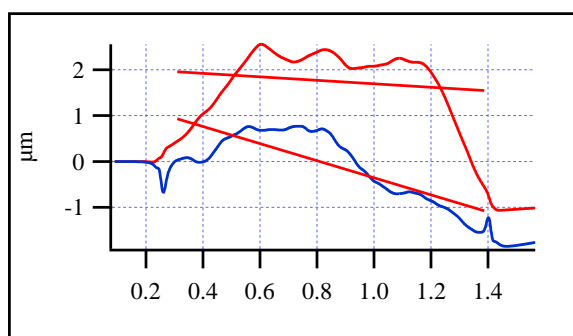
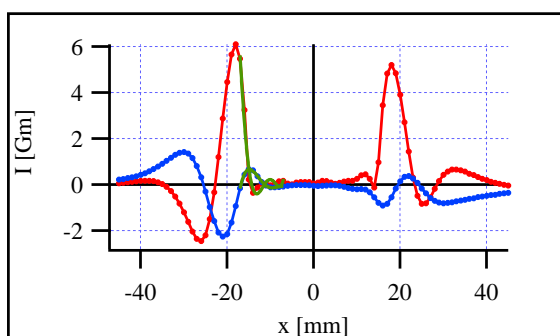
Ilz(sBz) : -0.2526 G m<sup>2</sup>

I4 : 0.9151 A

H Sextupole : 353.8 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



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