

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz229,Bx229,Izmes61,Ixmes61

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.01452 T

RMS Phase Error : 3.93 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 6.6 %

Fund. En. (B2E) : 2610.8 eV = 0.5 nm

Peak Field Bz: 0.47958 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.1 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : -1.977 G/m

Bz Taper : 1.340 G/m

Krms : 0.697

V Dipole : -9.6 G cm

Iz(coil) : -9.2 G cm

Pred. C.C. currents

V Quadrupole : -25.8 G

Iz(BzC): -9.2 Gcm Iz(Bz) : 76.9 G cm

I1 : 1.3950 A

V Sextupole : -85.9 G/cm

Ix(coil) : -25.8 G cm

I2 : -0.3124 A

Ix(BxC) : -25.9 Gcm Ix(Bx) : 846.8 G cm

H Dipole : -23.4 G cm

Ilx(sBx) : 0.0762 G m^2

I3 : 0.8767 A

H Quadrupole : -26.4 G

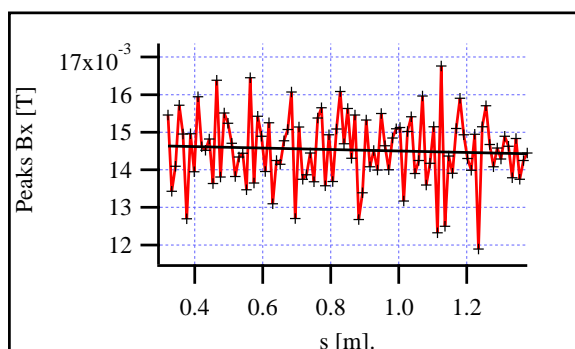
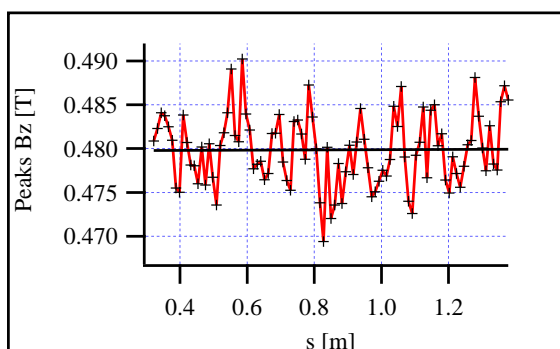
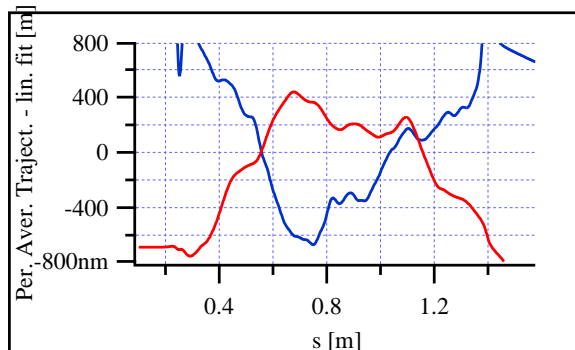
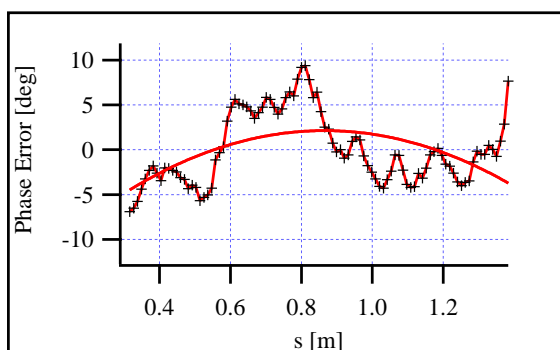
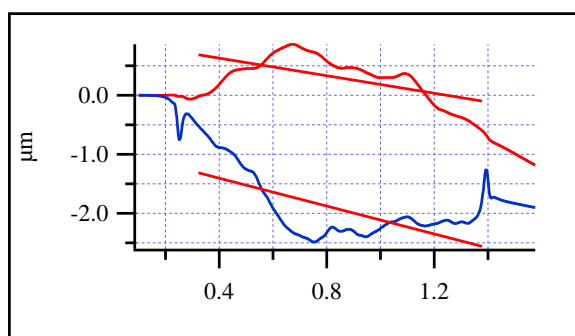
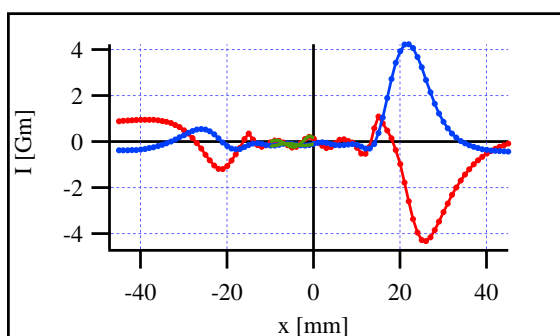
Ilz(sBz): -0.1206 G m^2

I4 : 1.0855 A

H Sextupole : 457.2 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.3 um



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