

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz315,Bx315,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 0 Peak Field Bx: 0.01387 T

RMS Phase Error : 11.82 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 19.8 %

Fund. En. (B2E) : 2087.7 eV = 0.6 nm

Peak Field Bz: 0.62893 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.4 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 1.996 G/m

Bz Taper : 5.743 G/m

Krms : 0.914

V Dipole : -31.6 G cm

Iz(coil) : -30.2 G cm

Pred. C.C. currents

V Quadrupole : 1.9 G

Iz(BzC) : -30.2 Gcm Iz(Bz) : 51.8 G cm

I1 : -0.6258 A

V Sextupole : 426.2 G/cm

Ix(coil) : -33.0 G cm

I2 : -4.2114 A

Ix(BxC) : -33.0 Gcm Ix(Bx) : 88.8 G cm

H Dipole : -25.5 G cm

Iix(sBx) : 1.1749 G m²

I3 : 5.0166 A

H Quadrupole : 147.3 G

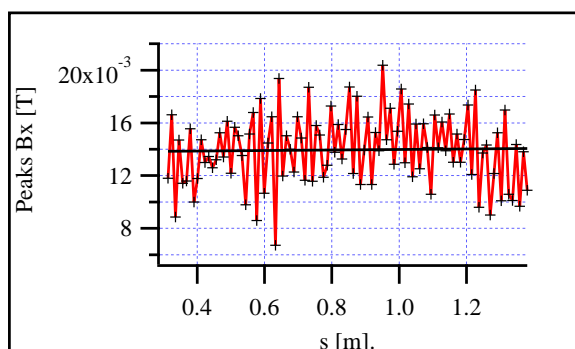
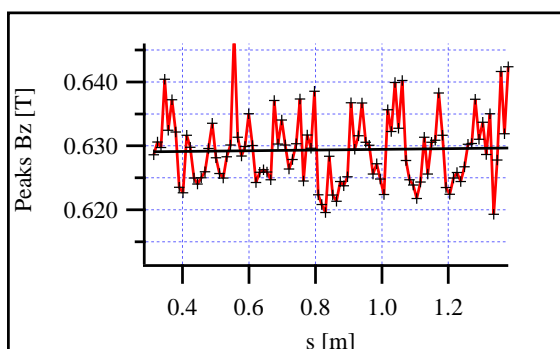
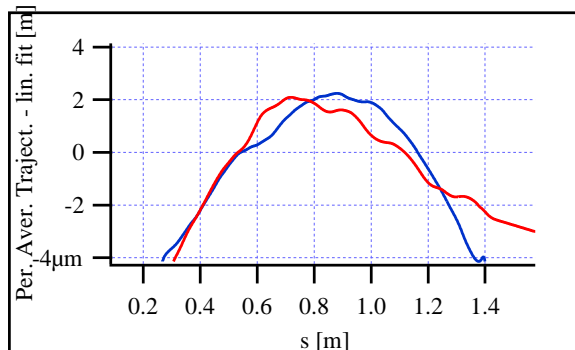
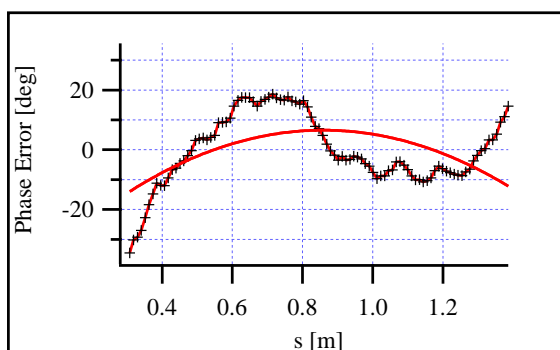
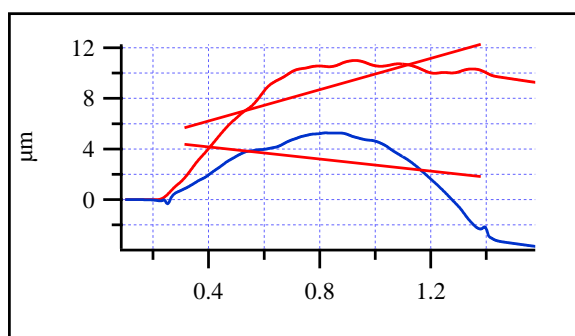
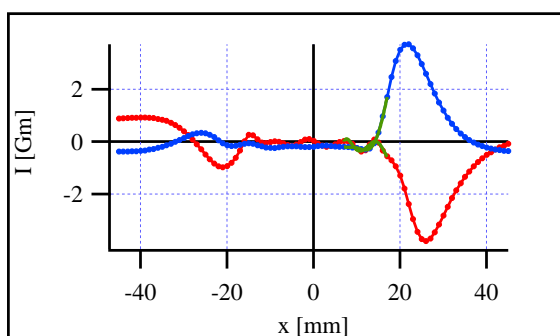
Iiz(sBz) : -0.1433 G m²

I4 : 3.7078 A

H Sextupole : 295.9 G/cm

BzTrj RMS dev. : 1.9 um

BxTrj RMS dev. : 1.6 um



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