

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz179,Bx179,Izmes35,Ixmes35

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 0 Peak Field Bx: 0.01324 T

RMS Phase Error : 2.85 deg

Taper [mm] : 0 Hall X [mm] : 0 Delta Bx/Bx : 6.5 %

Fund. En. (B2E) : 2298.4 eV = 0.5 nm

Peak Field Bz: 0.57236 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.1 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -4.222 G/m

Bz Taper : 0.745 G/m

Krms : 0.832

V Dipole : -12.6 G cm

Iz(coil) : -13.2 G cm

Pred. C.C. currents

V Quadrupole : 17.2 G

Iz(BzC) : -13.2 Gcm Iz(Bz) : 77.3 G cm

I1 : 0.3841 A

V Sextupole : 19.6 G/cm

Ix(coil) : 3.7 G cm

I2 : -1.1774 A

Ix(BxC) : 3.7 Gcm Ix(Bx) : 876.6 G cm

H Dipole : 3.6 G cm

Iix(sBx) : 0.0999 G m²

I3 : 0.4667 A

H Quadrupole : -78.6 G

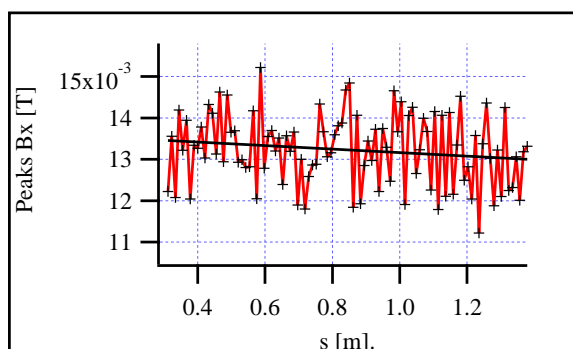
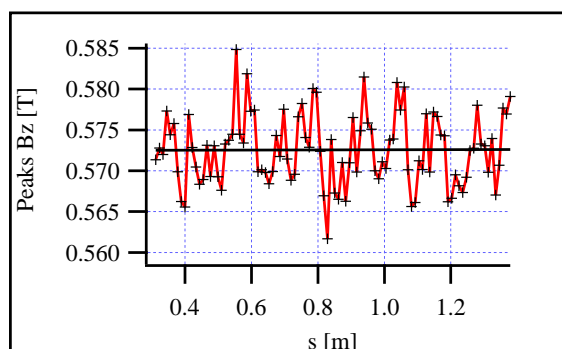
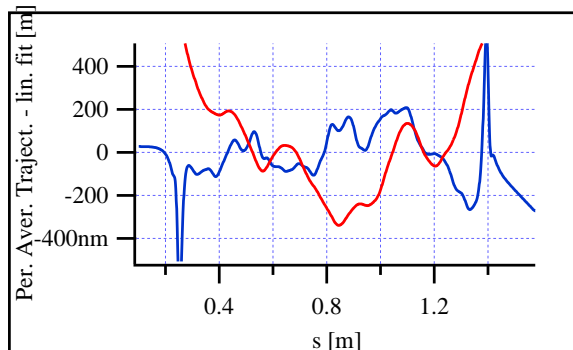
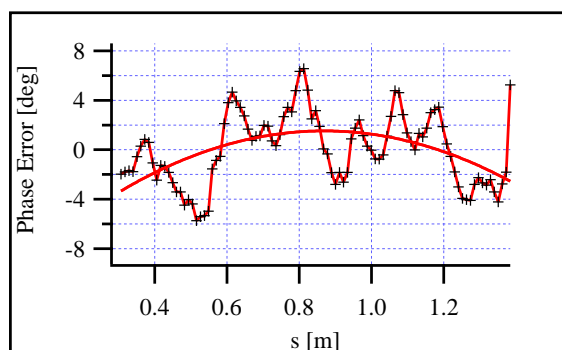
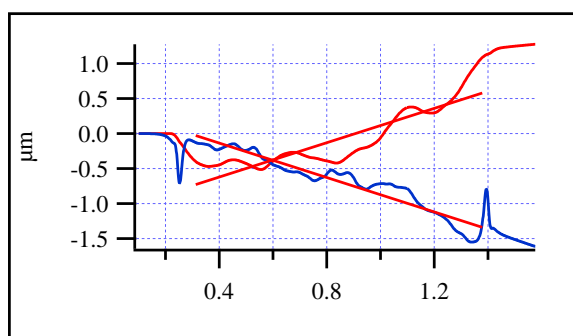
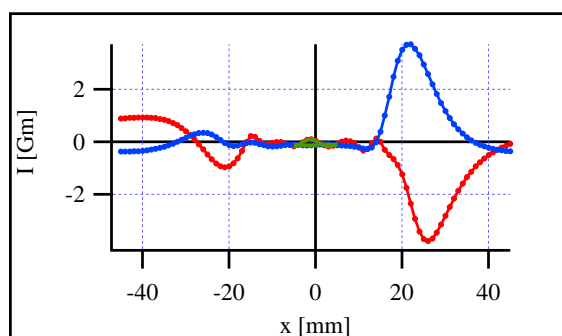
Iiz(sBz) : -0.0622 G m²

I4 : -0.1072 A

H Sextupole : -189.0 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.2 um



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