

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz169,Bx169,Izmes25,Ixmes25

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 0 Peak Field Bx: 0.00684 T

RMS Phase Error : 2.70 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 12.8 %

Fund. En. (B2E) : 1873.8 eV = 0.7 nm

Peak Field Bz: 0.71120 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 0.8 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : -1.974 G/m

Bz Taper : -3.464 G/m

Krms : 1.033

V Dipole : -17.3 G cm

Iz(coil) : -17.7 G cm

Pred. C.C. currents

V Quadrupole : 17.3 G

Iz(BzC) : -17.7 Gcm Iz(Bz) : 67.7 G cm

I1 : 0.4765 A

V Sextupole : 13.1 G/cm

Ix(coil) : -0.0 G cm

I2 : -0.9739 A

Ix(BxC) : -0.1 Gcm Ix(Bx) : -135.1 G cm

H Dipole : 0.0 G cm

Ilx(sBx) : 0.0867 G m²

I3 : 0.9632 A

H Quadrupole : -83.6 G

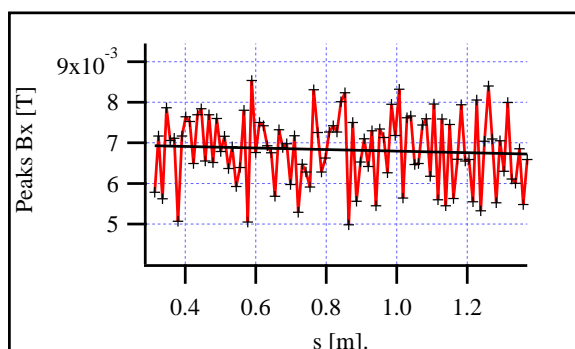
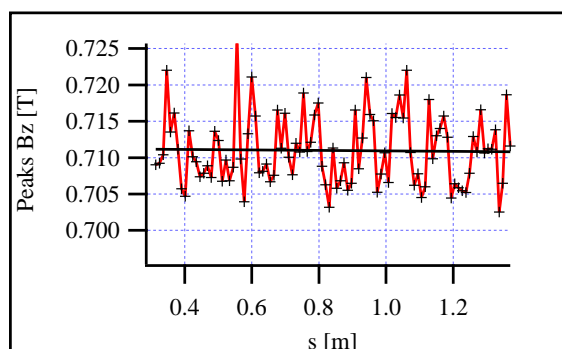
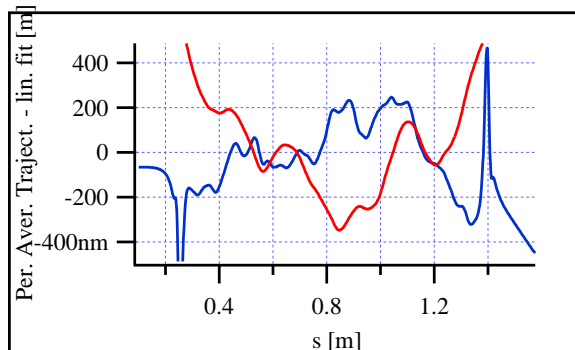
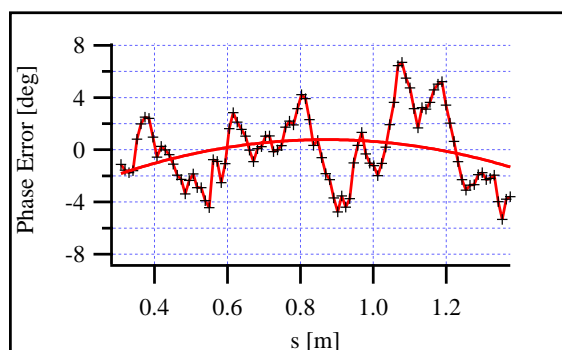
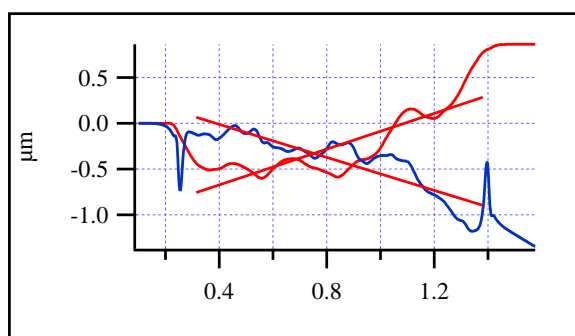
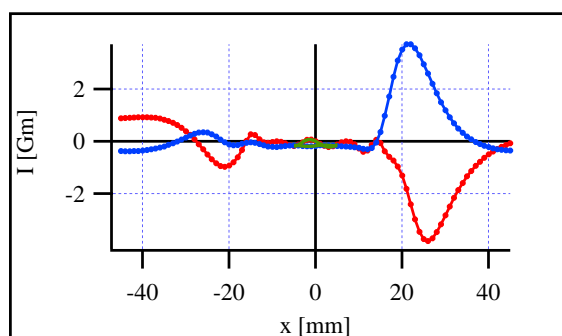
Ilz(sBz) : -0.0017 G m²

I4 : -0.4600 A

H Sextupole : -177.8 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.2 um



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