

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz91,Bx91,Izmes37,Ixmes37

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : -1 Peak Field Bx: 0.00480 T

RMS Phase Error : 6.35 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 15.0 %

Fund. En. (B2E) : 3373.5 eV = 0.4 nm

Peak Field Bz: 0.26502 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.02+-0.11 mm Delta Bz/Bz : 9.4 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 3.035 G/m

Bz Taper : 8.811 G/m

Krms : 0.385

V Dipole : -1.9 G cm

Iz(coil) : -2.1 G cm

Pred. C.C. currents

V Quadrupole : -27.8 G

Iz(BzC) : -2.1 Gcm Iz(Bz) : 19.8 G cm

I1 : -0.1633 A

V Sextupole : 46.8 G/cm

Ix(coil) : 17.9 G cm

I2 : -1.1844 A

Ix(BxC) : 18.0 Gcm Ix(Bx) : 433.8 G cm

H Dipole : 19.4 G cm

Ilx(sBx) : 0.0503 G m²

I3 : -0.7223 A

H Quadrupole : -10.7 G

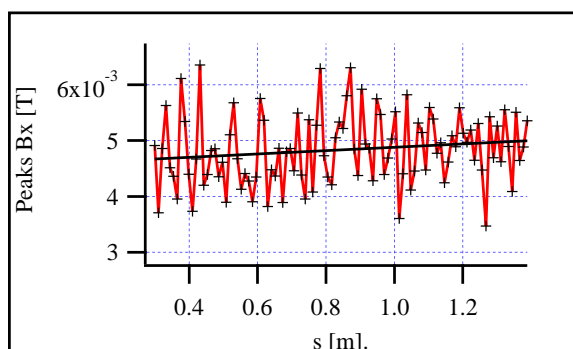
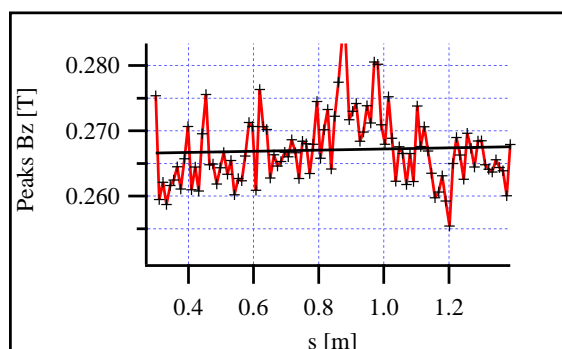
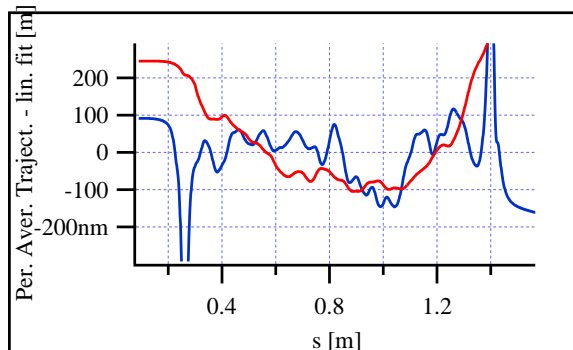
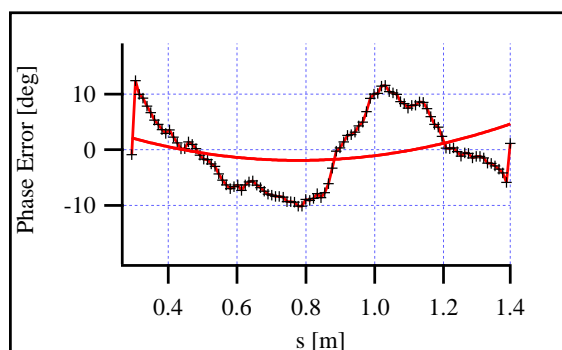
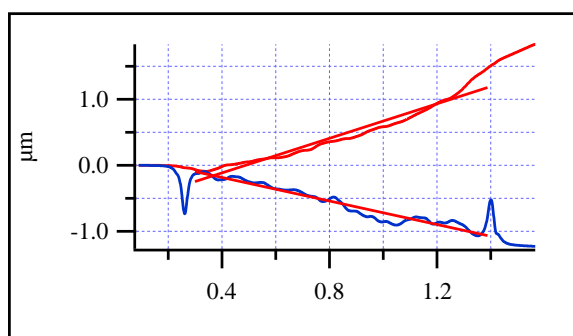
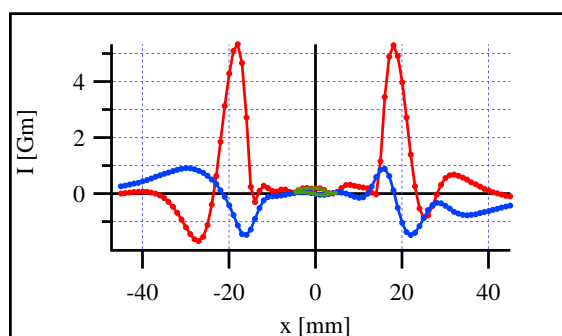
Ilz(sBz) : -0.1069 G m²

I4 : -0.0447 A

H Sextupole : -120.5 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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