

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz87,Bx87,Izmes29,Ixmes29

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : -1 Peak Field Bx: 0.00704 T

RMS Phase Error : 6.25 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 11.3 %

Fund. En. (B2E) : 2852.3 eV = 0.4 nm

Peak Field Bz: 0.41499 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.01+-0.07 mm Delta Bz/Bz : 6.9 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 3.661 G/m

Bz Taper : 10.823 G/m

Krms : 0.603

V Dipole : -4.3 G cm

Iz(coil) : -4.4 G cm

Pred. C.C. currents

V Quadrupole : -25.0 G

Iz(BzC) : -4.4 Gcm Iz(Bz) : 18.5 G cm

I1 : -0.0046 A

V Sextupole : 49.9 G/cm

Ix(coil) : 13.0 G cm

I2 : -1.0998 A

Ix(BxC) : 13.0 Gcm Ix(Bx) : 806.4 G cm

H Dipole : 14.5 G cm

Ilx(sBx) : 0.0591 G m²

I3 : -0.4018 A

H Quadrupole : -5.1 G

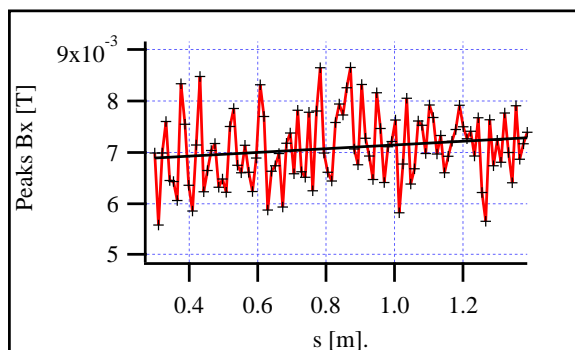
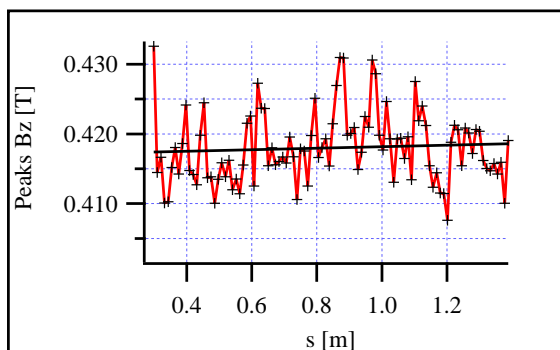
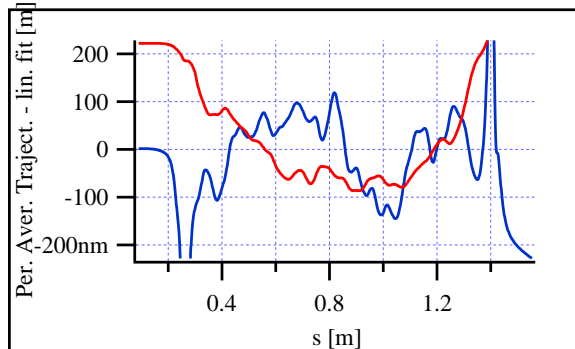
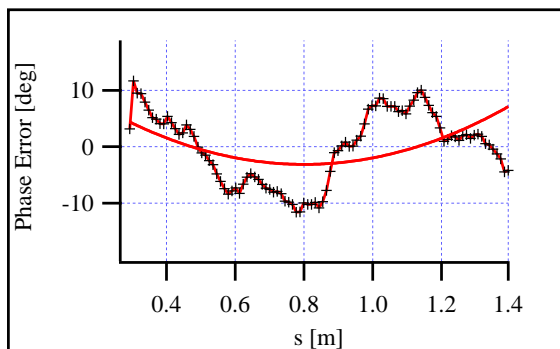
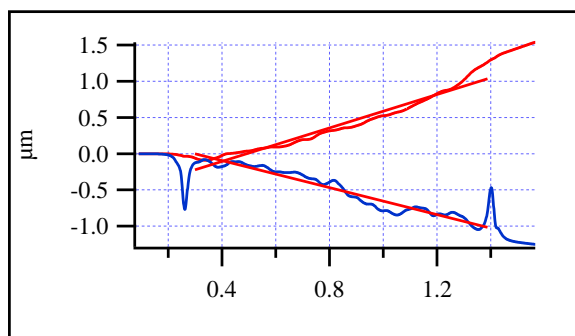
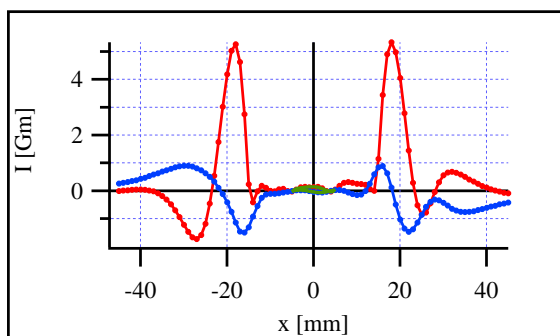
Ilz(sBz) : -0.0929 G m²

I4 : -0.0203 A

H Sextupole : -121.7 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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