

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz371,Bx371,Izmes22,Ixmes22

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 0 Peak Field Bx: 0.00162 T

RMS Phase Error : 2.36 deg

Taper [mm] : 0 Hall X [mm] : -12 Delta Bx/Bx : 83.1 %

Fund. En. (B2E) : 2673.3 eV = 0.5 nm

Peak Field Bz: 0.45621 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.3 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 2.311 G/m

Bz Taper : -7.141 G/m

Krms : 0.663

V Dipole : -8.4 G cm

Iz(coil) : -8.3 G cm

Pred. C.C. currents

V Quadrupole : 8.8 G

Iz(BzC) : -8.3 Gcm Iz(Bz) : 6.9 G cm

I1 : 0.0296 A

V Sextupole : -159.8 G/cm

Ix(coil) : 6.8 G cm

I2 : 0.4296 A

Ix(BxC) : 6.8 Gcm Ix(Bx) : 679.0 G cm

H Dipole : -8.4 G cm

Ilx(sBx) : -0.1492 G m²

I3 : 0.2402 A

H Quadrupole : 143.9 G

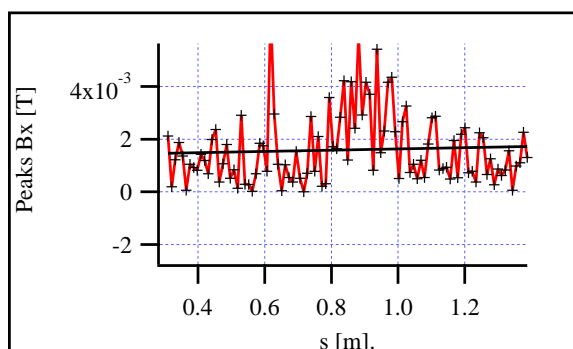
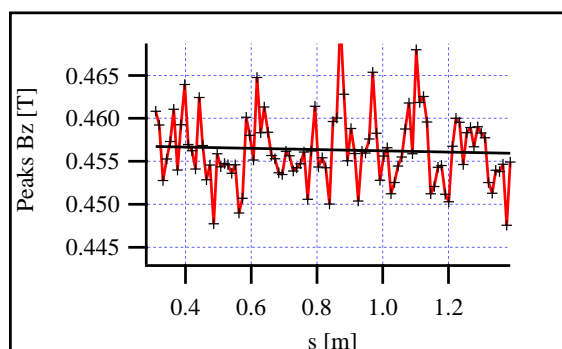
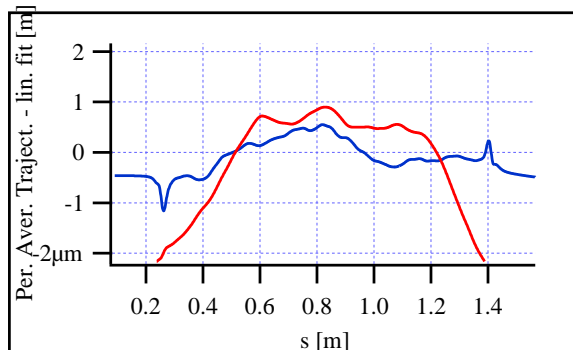
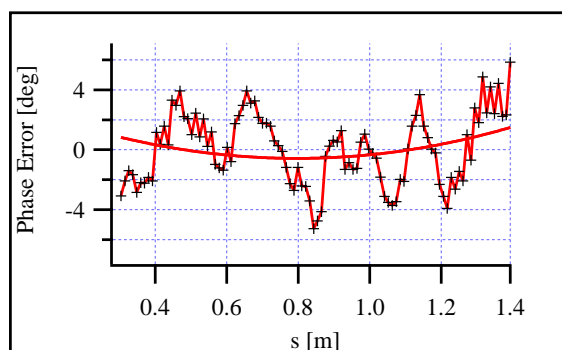
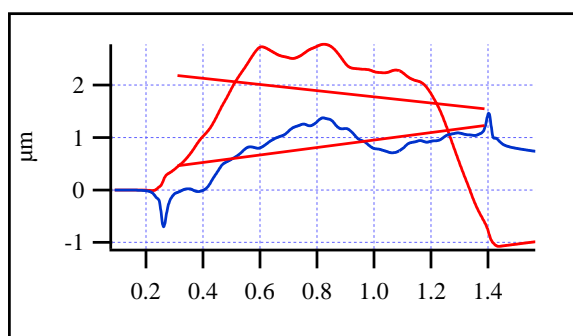
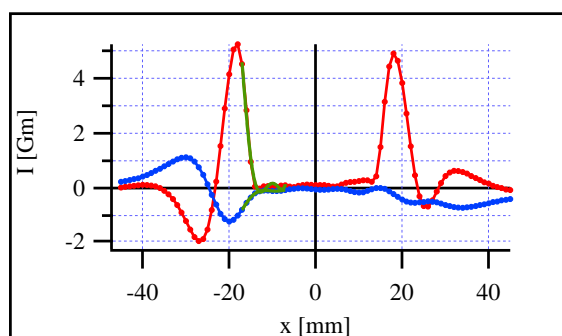
Ilz(sBz) : 0.1349 G m²

I4 : -1.5029 A

H Sextupole : 641.2 G/cm

BzTrj RMS dev. : 0.3 um

BxTrj RMS dev. : 0.8 um



Kyma Srl

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