

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz405,Bx405,Izmes43,Ixmes43

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 1 Peak Field Bx: 0.11097 T

RMS Phase Error : 7.30 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 3.4 %

Fund. En. (B2E) : $3503.3 \text{ eV} = 0.4 \text{ nm}$

Peak Field Bz: 0.18839 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.07 mm Delta Bz/Bz : 11.7 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : -21.799 G/m

Bz Taper : -27.823 G/m

Krms : 0.318

V Dipole : 17.0 G cm

Iz(coil) : 14.1 G cm

Pred. C.C. currents

V Quadrupole : -212.2 G

$$I_z(\text{BzC}): 14.2 \text{ Gcm} \quad I_z(\text{Bz}): 23.3 \text{ G cm}$$

I1 : 0.4679 A

V Sextupole : 265.8 G/cm

$I_x(\text{coil}) : 17.2 \text{ G cm}$

I2 : -0.5847 A

H Dipole : -5.4 G cm

$$\Pi_X(sB_X) : -0.1559 \text{ G m}^2$$

I3 : -2.6310 A

H Quadrupole : 282.8 G

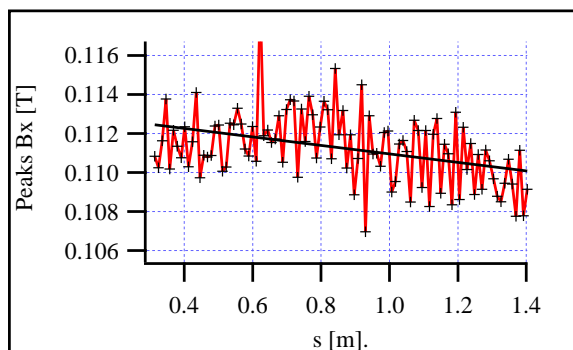
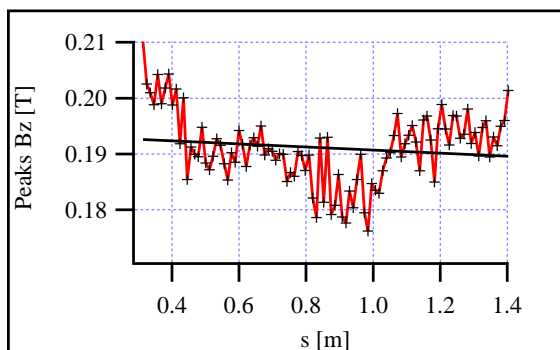
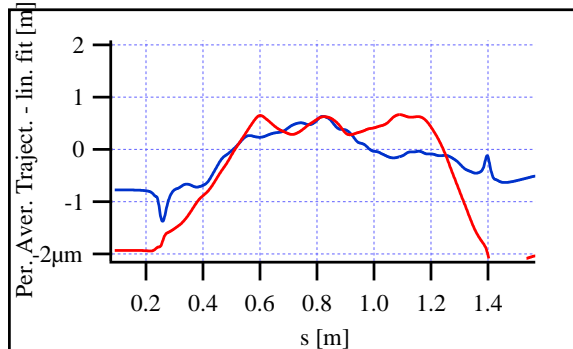
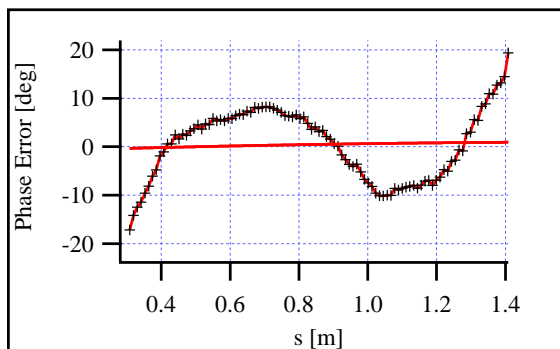
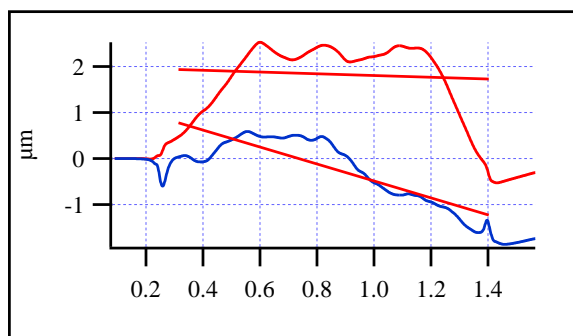
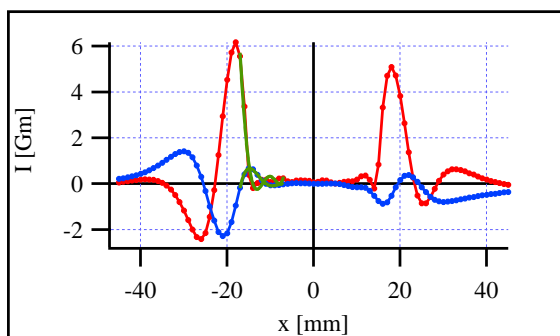
 $\Pi_z(sBz): -0.2769 \text{ G m}^2$

I4 : 0.7152 A

H Sextupole : 349.2 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



Kyma Srl

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