

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz105,Bx105,Izmes17,Ixmes17

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : -1 Peak Field Bx: 0.01163 T

RMS Phase Error : 4.88 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 6.6 %

Peak Field Bz: 0.61391 T

Fund. En. (B2E) : 2160.4 eV = 0.6 nm

Delta Bz/Bz : 1.4 %

Peaks used : 103

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Bx Taper : 2.829 G/m

Bz Taper : -15.732 G/m

Krms : 0.892

V Dipole : 1.1 G cm

Iz(coil) : 1.5 G cm

Pred. C.C. currents

V Quadrupole : 15.9 G

$$I_z(\text{BzC}): 1.5 \text{ Gcm} \quad I_z(\text{Bz}) : 24.0 \text{ G cm}$$

I1 : -0.1314 A

V Sextupole : -126.1 G/cm

Ix(coil) : 5.9 G cm

I2 : -0.7547 A

$$I_x(BxC) : 5.9 \text{ Gcm} \quad I_x(Bx) : 817.0 \text{ G cm}$$

H Dipole : 7.4 G cm

$$\Pi_X(sB_X) : 0.0930 \text{ G m}^2$$

I3 : -0.3404 A

H Quadrupole : 101.0 G

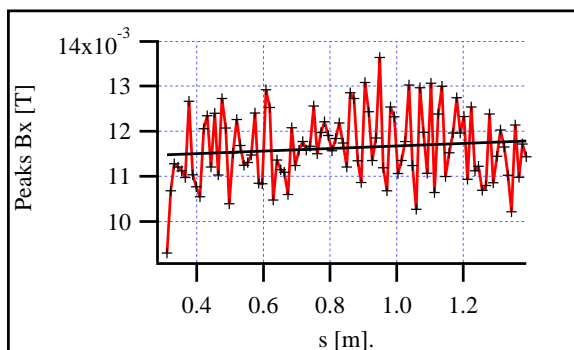
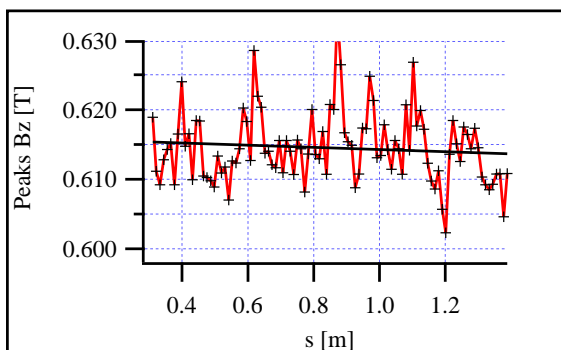
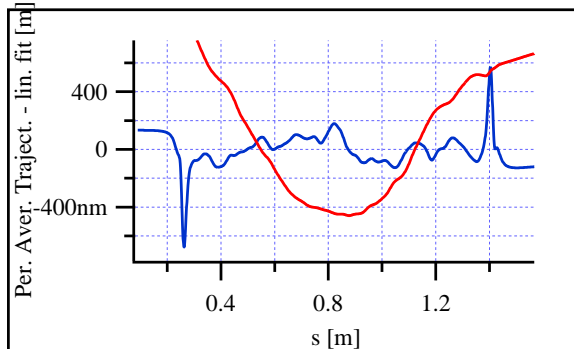
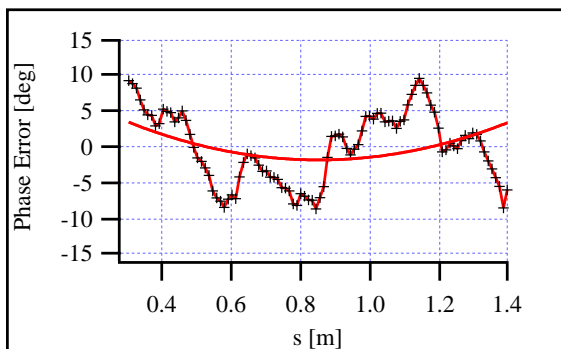
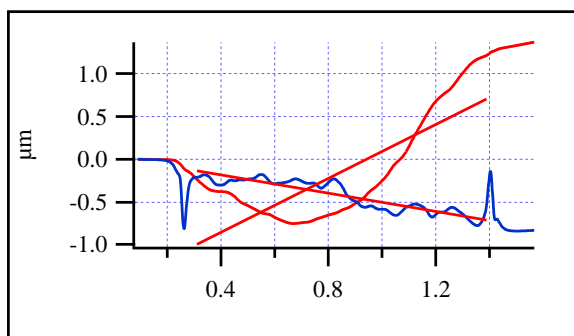
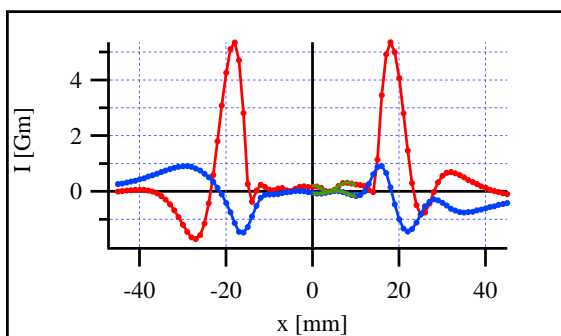
 $\Pi_z(\text{sBz}): -0.0939 \text{ G m}^2$

I4 : 0.5275 A

H Sextupole : 197.7 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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