

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz271,Bx271,Izmes15,Ixmes15

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : 1 Peak Field Bx: 0.00999 T

RMS Phase Error : 5.53 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 20.3 %

Fund. En. (B2E) : 2280.9 eV = 0.5 nm

Peak Field Bz: 0.57570 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 m

Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : -11.472 G/m

Bz Taper : -8.021 G/m

Krms : 0.837

V Dipole : -23.2 G cm

Iz(coil) : -21.2 G cm

Pred. C.C. currents

V Quadrupole : -79.0 G

$$I_z(\text{BzC}): -21.2 \text{ Gcm} \quad I_z(\text{Bz}) : 32.8 \text{ G cm}$$

I1 : -2.1255 A

V Sextupole : -376.0 G/cm

$I_x(\text{coil}) : 39.9 \text{ G cm}$

I2 : -1.7502 A

$$I_x(BxC) : 39.9 \text{ Gcm} \quad I_x(Bx) : 606.9 \text{ G cm}$$

H Dipole : 10.7 G cm

$$\Pi_X(sB_X) : 0.2640 \text{ G m}^2$$

I3 : 1.4960 A

H Quadrupole : -320.1 G

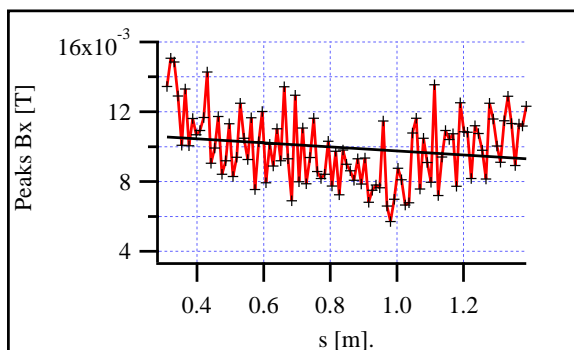
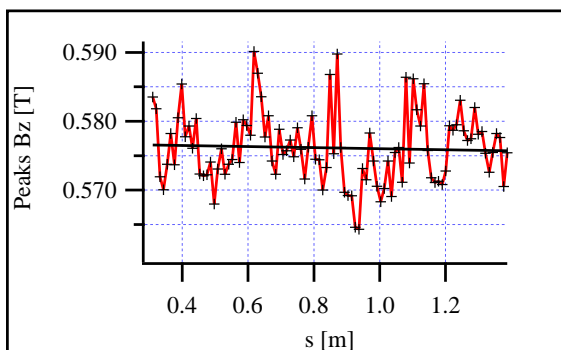
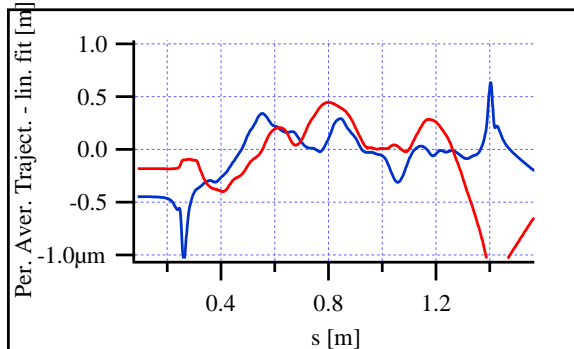
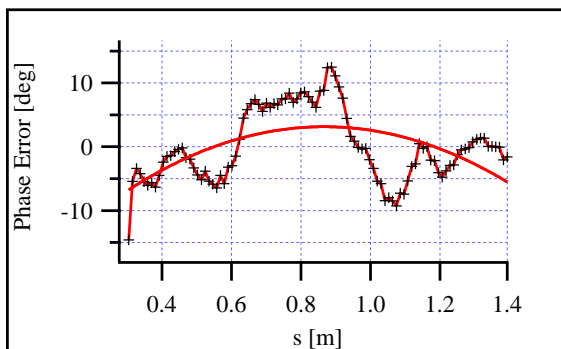
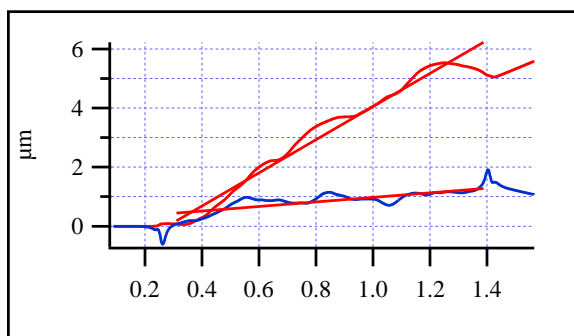
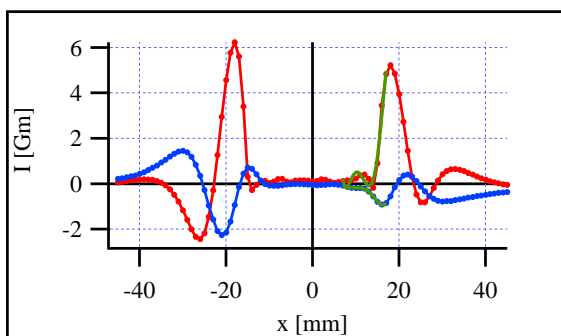
 $\Pi_z(\text{sBz}): 0.2641 \text{ G m}^2$

I4 : -2.3241 A

H Sextupole : 517.4 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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